

***New Zealand  
State Highways  
Road Safety Report  
2005 to 2009***



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## Introduction and general information

The NZ Transport Agency provides information on road safety to its stakeholders and the public. It also has responsibility for promoting safety and sustainability in land transport, among a variety of other functions. This road safety report is an example of information supplied by the NZ Transport Agency.

This report helps identify road safety issues in New Zealand State Highways area ('the country') by presenting tables or graphs of:

- numbers and trends in reported crashes and casualties
- characteristics and types of crashes and casualties
- factors contributing to crashes
- locations with bad crash records
- characteristics of crashes on council authority roads

The information is intended to assist road controlling authorities, the New Zealand Police and others in evaluating the safety performance of the road network in New Zealand State Highways. Comparison with other cities, districts or regions elsewhere in the country is included.

Researchers, students, and organisations with an interest in road safety will also find the information useful.

### Source of crash information

This report uses data from the NZ Transport Agency's crash database. This database includes all crashes involving injury and non-injury for which Police reports have been completed and forwarded to the NZ Transport Agency. Mostly five-year data (2005 to 2009) has been used, but 10-year data (2000 to 2009) has been used to analyse trends.

### Peer groups

Traffic crash patterns and features for an area can depend on the traffic and roading characteristics of that area. The most useful comparisons are generally made with other areas or authorities with similar characteristics, rather than with the whole country. The data for the state highways is compared with council roads and with data for all New Zealand.

## Definitions of urban and rural

Data has been separated for urban and rural (open) roads through this report because each has a distinctly different pattern of crashes. In this report urban roads are defined as all those with a speed limit of 70 km/h or less, however it should be noted that some locations which have been speed limit zoned might be more appropriately defined as rural but are included in urban zones.

## Definition of statistically significant

A number of graphs include a comparison between the road controlling authority, all New Zealand and a similar peer group. These graphs can include an indication as to whether the difference is statistically significant. For the purposes of this report statistically significant means that a difference of this size is unlikely to be due to chance. Significance is noted at the 5% level ( $P < 0.05$ ), this means that the observed result would occur by chance in only 1 in 20 similar situations.

## Road user compliance data

The Ministry of Transport collects information on road user compliance with traffic law. This information includes speed surveys, occupant restraint use surveys and cycle helmet use surveys. Information about these surveys is available on Ministry of Transport web site.

The appropriate web addresses are as follows:

Speed Surveys	<a href="http://www.transport.govt.nz/research/SpeedSurveys/">http://www.transport.govt.nz/research/SpeedSurveys/</a>
Safety belts	<a href="http://www.transport.govt.nz/research/safetybeltstatistics/">http://www.transport.govt.nz/research/safetybeltstatistics/</a>
Cycle helmets	<a href="http://www.transport.govt.nz/research/cyclehelmets2009/">http://www.transport.govt.nz/research/cyclehelmets2009/</a>

The information is also distributed quarterly in the Ministry of Transport publication Road safety progress.

The Ministry of Transport also conducts public attitude surveys. These have been undertaken annually since 1994. They evaluate attitudes to road safety issues, primarily alcohol-impaired driving and speed. Surveys are carried out in May and June of each year by trained interviewers who conduct interviews with respondents in their homes. The sample is chosen to be representative of the New Zealand adult population, and includes men and women aged 15 and over from towns, cities and rural areas throughout New Zealand.

The results of these surveys are available from:

<http://www.transport.govt.nz/research/PublicAttitudestoRoadSafety-Survey/>

### General explanatory notes

1. Crash and casualty information in this report generally includes data for both council roads and state highways. Some tables and charts can separate this information, however figures 8.1–8.26 provide information for council roads only.
2. Crash and casualty rates are based on 2009 populations estimates updated from the 2006 census, traffic flows from the year 2009, and the average of five year crash data (2005–2009).
3. Traffic flows are based on Road Asset Maintenance and Management (RAMM) data from December 2009. As different road controlling authorities update flow data in RAMM at different times some data will be more up to date than other data, hence caution should be exercised when comparing traffic flow based crash rates in one authority with those of other authorities particularly as the traffic flow data (VKT) used in the calculations can not be considered definitive. Comparisons should be considered as indicative only.
4. With four to five categories of road for each council authority, some categories will only have short lengths of road. This may cause significant variation in the calculated crash and casualty rates.
5. The crash numbers include all those within the road controlling authority. The crash numbers used in the crash rate section can, however, vary slightly from the remainder of the document as only 'on road' crashes can be used. These are crashes on roads that have traffic volume information recorded. Crashes that occurred in car parks, reserves, beaches etc. are excluded.



6. The severity of a crash is determined as the most severely injured casualty in the crash. Injury severity is classified as fatal, serious, or minor as follows:
  - Fatal:** Injuries that result in death within 30 days of a crash.
  - Serious:** Fractures, concussion, internal injuries, crushing, severe cuts and lacerations, severe general shock necessitating medical treatment, and any injury involving removal to and detention in hospital.
  - Minor:** Injuries which are not serious but which require first aid, or cause discomfort or pain to the person injured, eg sprains and bruises.
  
7. Ethnicity of road users involved in crashes can now be recorded on traffic crash reports, although some reports may not include this data. Figures 3.25 and 3.26 shows the ethnicity of casualties, where known. Ethnicity is divided into five different groups. Only data for 2005 to 2009 is available. The graph includes all casualties irrespective of culpability.

NOTE: Ethnicity data should be treated with caution as the data can be considered subjective and incomplete.
  
8. For the licence status grouping in Figures 3.27 and 3.28 the 'no/wrong licence' group includes drivers who have never held a licence or have an expired or wrong class licence. This graph includes all drivers irrespective of injury or culpability.
  
9. See appendix for detailed descriptions of:
  - crash movement types and crash movement groupings (for Figures 4.1–4.4)
  - grouping of factors contributing to crashes (for Figures 5.1–5.14)
  
10. Blackspot sites listed in Figure 9.3 are listed by the total cost of crashes at the site and are listed regardless of any remedial treatments. Site were initially selected on the basis of 3 reported crashes and then the sites listed were limited to those with a higher number of injury crashes and over a defined social cost, which is indicated on each figure.
  
11. Alarm crash sites in section 9 as Figure 9.5 are crash sites that have shown a statistically significant increase (at the 95 percent level of confidence) in reported crashes in 2009 compared with the previous five years (2004 to 2008). The sites are initially selected on the basis of 3 or more reported crashes at the sites. Sites are listed regardless of any recent remedial treatments and they may already be under investigation for treatment.



# *Crash Rates and Costs*



## Crash reporting rates

The ratio of 'reported serious injuries' can be assessed by comparing seriously injured casualty numbers from Police crash reports to hospital admissions, given that a serious injury is generally one requiring hospital attention.

Figure 1.1 below indicates the serious injury reporting rate for each region.

**Figure 1.1 Reporting rate serious injuries to hospital admissions**

Region	2005	2006	2007	2008	2009
Northland	30%	28%	34%	38%	27%
Auckland	17%	20%	16%	18%	18%
Waikato	40%	38%	50%	47%	40%
Bay of Plenty	32%	37%	38%	29%	27%
Gisborne	32%	26%	31%	28%	27%
Hawkes Bay	80%	75%	59%	68%	42%
Taranaki	55%	65%	79%	41%	36%
Manawatu-Wanganui	38%	34%	35%	36%	31%
Wellington	68%	61%	74%	55%	48%
Nelson-Marlborough	44%	52%	54%	50%	39%
West Coast	53%	55%	59%	53%	54%
Canterbury	47%	42%	49%	45%	43%
Otago	99%	85%	77%	69%	39%
Southland	78%	103%	73%	53%	39%
<b>New Zealand</b>	<b>36%</b>	<b>35%</b>	<b>37%</b>	<b>35%</b>	<b>33%</b>

This is the ratio of the number of persons with serious injuries in reported crashes divided by the number of persons admitted to hospital with serious injuries.

These variations in reporting rates need to be considered when viewing the trends in crashes and casualties shown in this report.

**Note: These values should be considered indicative only.**

**Figure 1.2 Crashes per 100 million vehicle kilometres travelled**

	Council roads		State Highways	
	Urban	Rural	Urban	Rural
All NZ S.H.	37	29	27	18
All NZ L.R.	37	29	27	18
All NZ	37	29	27	18

**Figure 1.3 Casualties per 100 million vehicle kilometres travelled**

	Council roads		State Highways	
	Urban	Rural	Urban	Rural
All NZ S.H.	46	42	36	26
All NZ L.R.	46	42	36	26
All NZ	46	42	36	26

Figure 1.4 Peer group crash and casualty rates

**Regions**

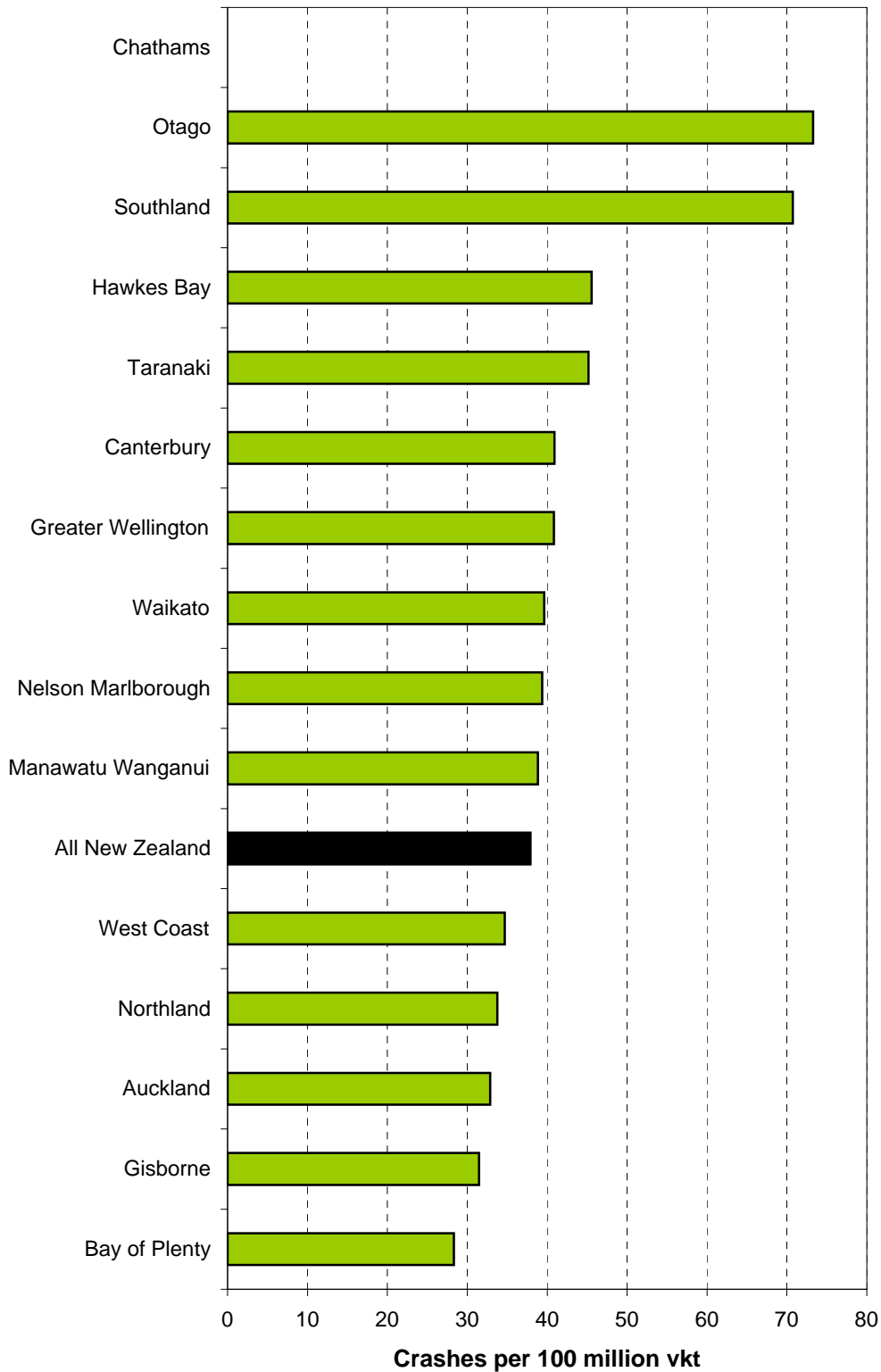
Region name	Crashes per					Casualties per					2009 Population	% of rural crashes
	10,000 Population (5 year average)	100 million vehicle kilometres travelled				10,000 Population (5 year average)	100 million vehicle kilometres travelled					
		Council roads		State Highways			Council roads		State Highways			
		Urban	Rural	Urban	Rural		Urban	Rural	Urban	Rural		
Auckland	23	33	29	40	14	29	42	41	53	19	1454200	28
Bay of Plenty	16	28	29	17	17	22	35	43	24	27	371020	48
Gisborne	27	31	21	28	28	38	41	31	38	44	46200	47
Hawkes Bay	32	46	30	37	24	44	57	45	48	38	153270	47
Manawatu Wanganui	27	39	25	31	18	38	47	37	42	28	230000	54
Nelson Marlborough	25	39	23	22	20	33	47	35	27	29	136800	52
Southland	91	71	32	57	24	138	102	50	77	39	45330	50
Greater Wellington	27	41	37	32	14	34	49	50	43	20	386480	27
Canterbury	51	41	22	24	14	67	51	31	31	21	278450	30
Chathams	1109	n/a	n/a	n/a	n/a	91	n/a	n/a	n/a	n/a	640	n/a
Northland	26	34	34	20	22	39	43	49	32	39	185900	71
Otago	47	73	43	47	21	69	103	65	65	33	186150	45
Taranaki	28	45	31	30	22	39	58	45	38	33	108240	53
Waikato	32	40	29	22	19	45	50	39	31	30	384870	58
West Coast	38	35	24	20	22	55	48	34	30	33	32590	77
<b>All New Zealand</b>	<b>26</b>	<b>38</b>	<b>29</b>	<b>28</b>	<b>18</b>	<b>36</b>	<b>48</b>	<b>42</b>	<b>38</b>	<b>26</b>	<b>4331000</b>	<b>41</b>

N/A : Denotes that data for vehicle kilometres travelled (VKT) is not available or inappropriate for some categories.

Crashes and casualties per 100 million VKT are based on five years of reported injury on-road crash data (2005-2009) and December 2009 VKT estimates.

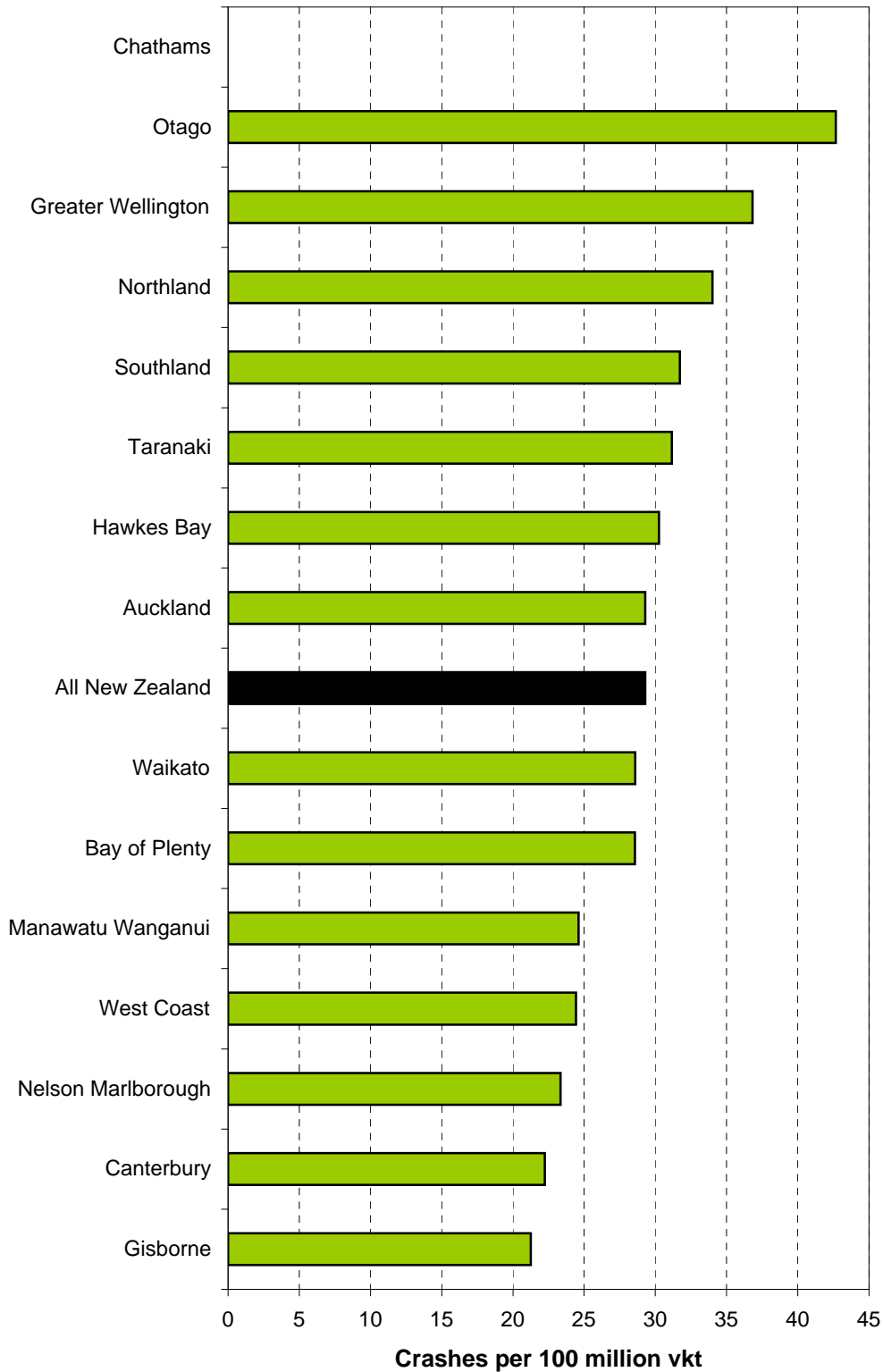
Crashes and casualties per 10,000 population are based on five year average crash data (2005-2009) and Statistics NZ 2009 population estimates.

**Figure 1.5 Crashes per 100 million vehicle-kilometres travelled - urban council roads**

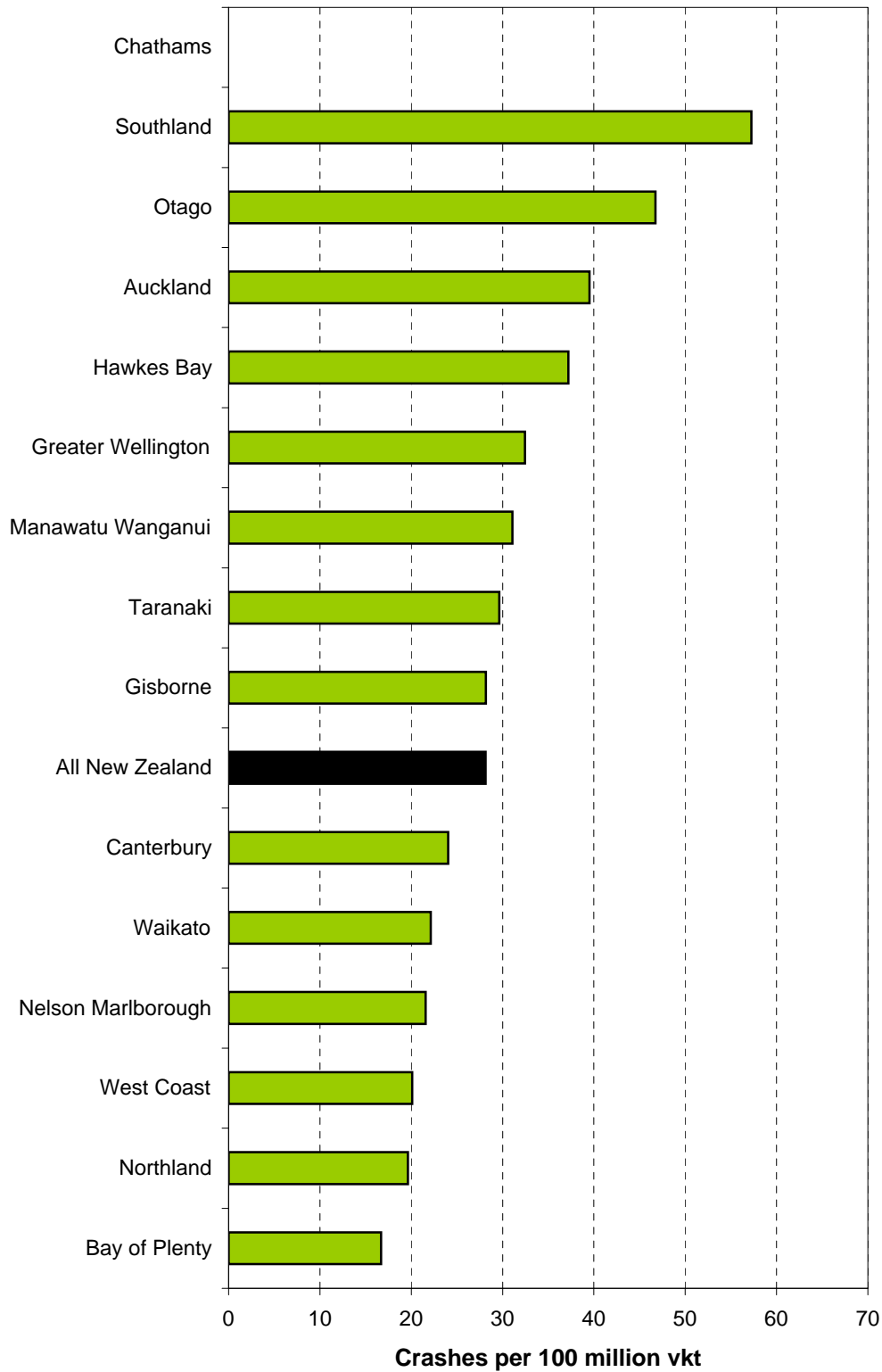




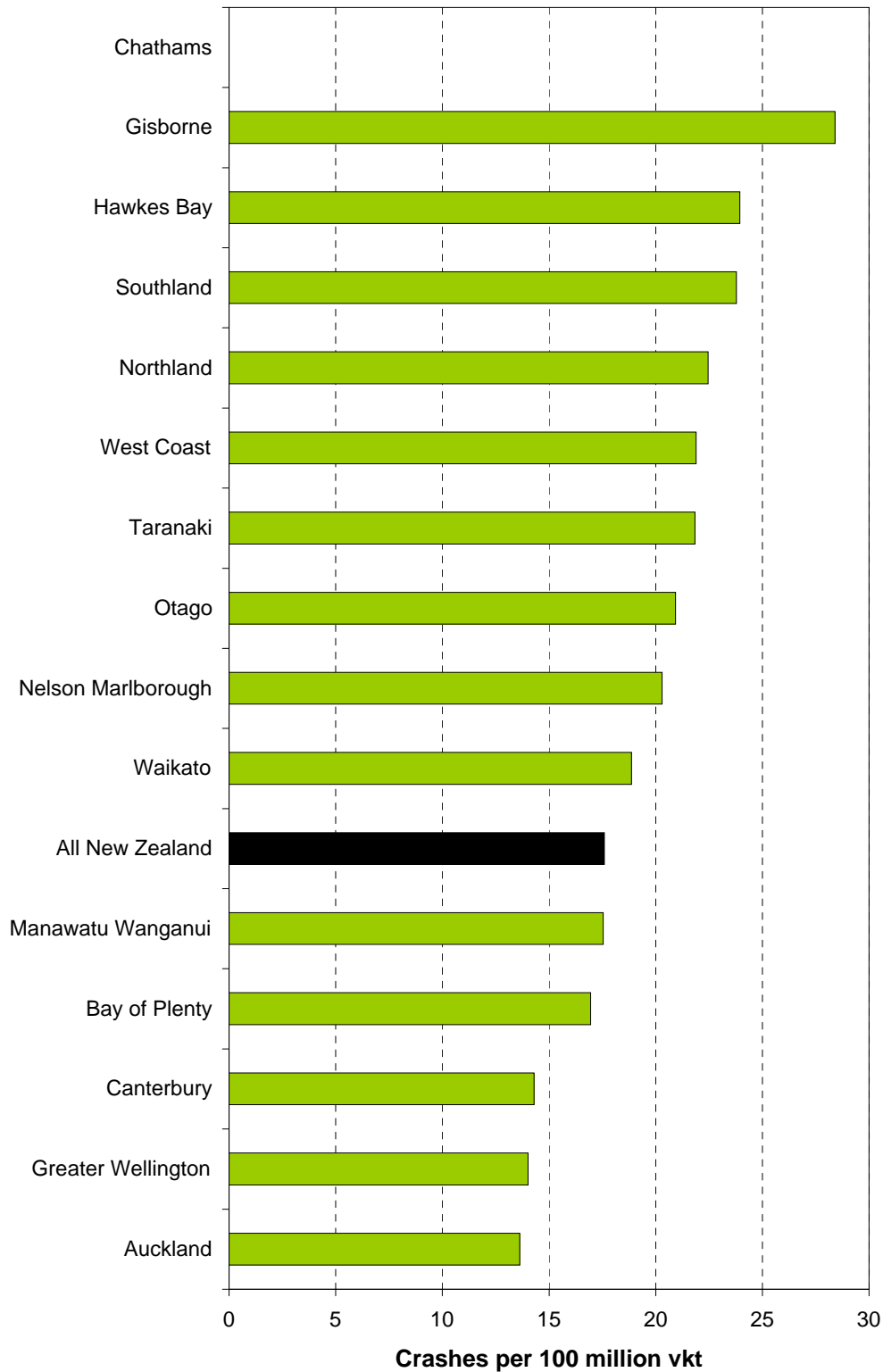
**Figure 1.6 Crashes per 100 million vehicle-kilometres travelled - rural council roads**



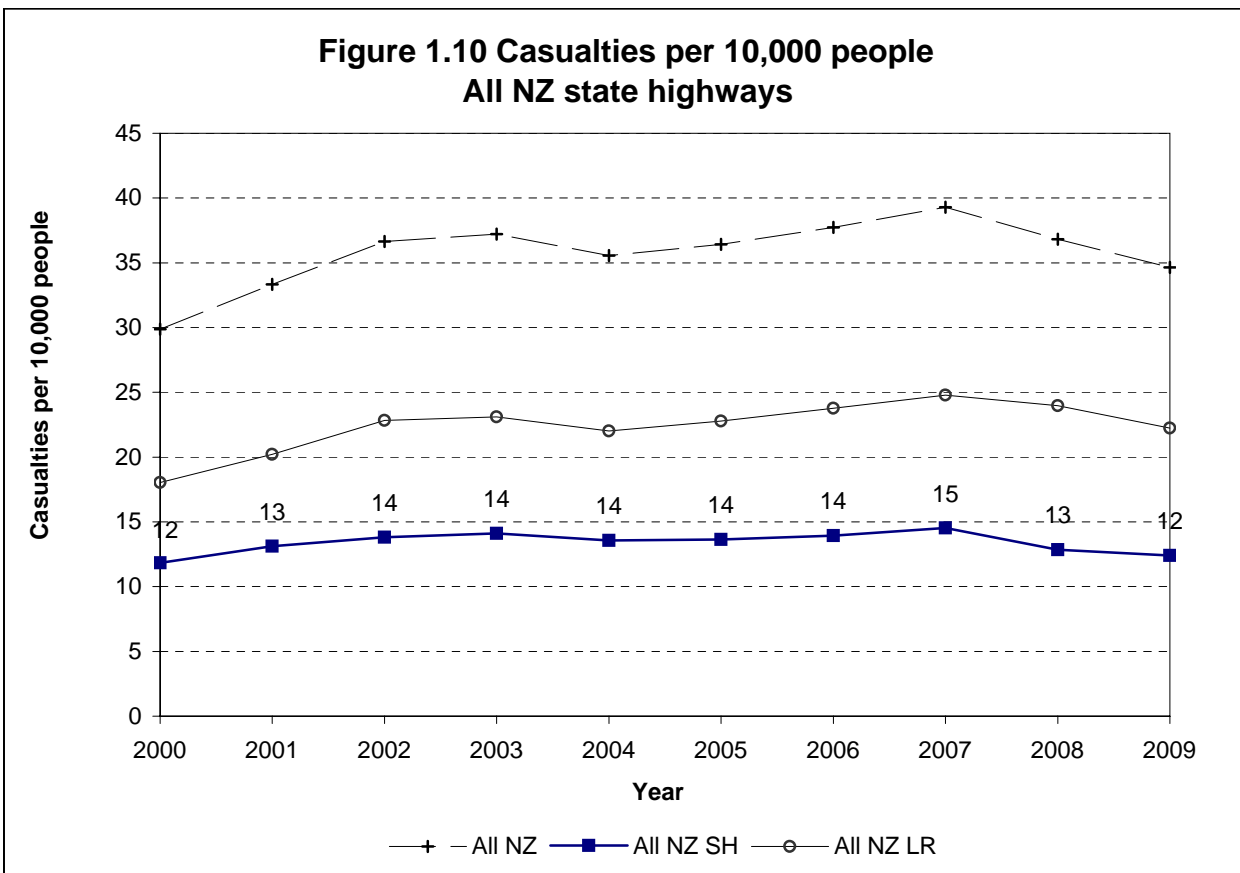
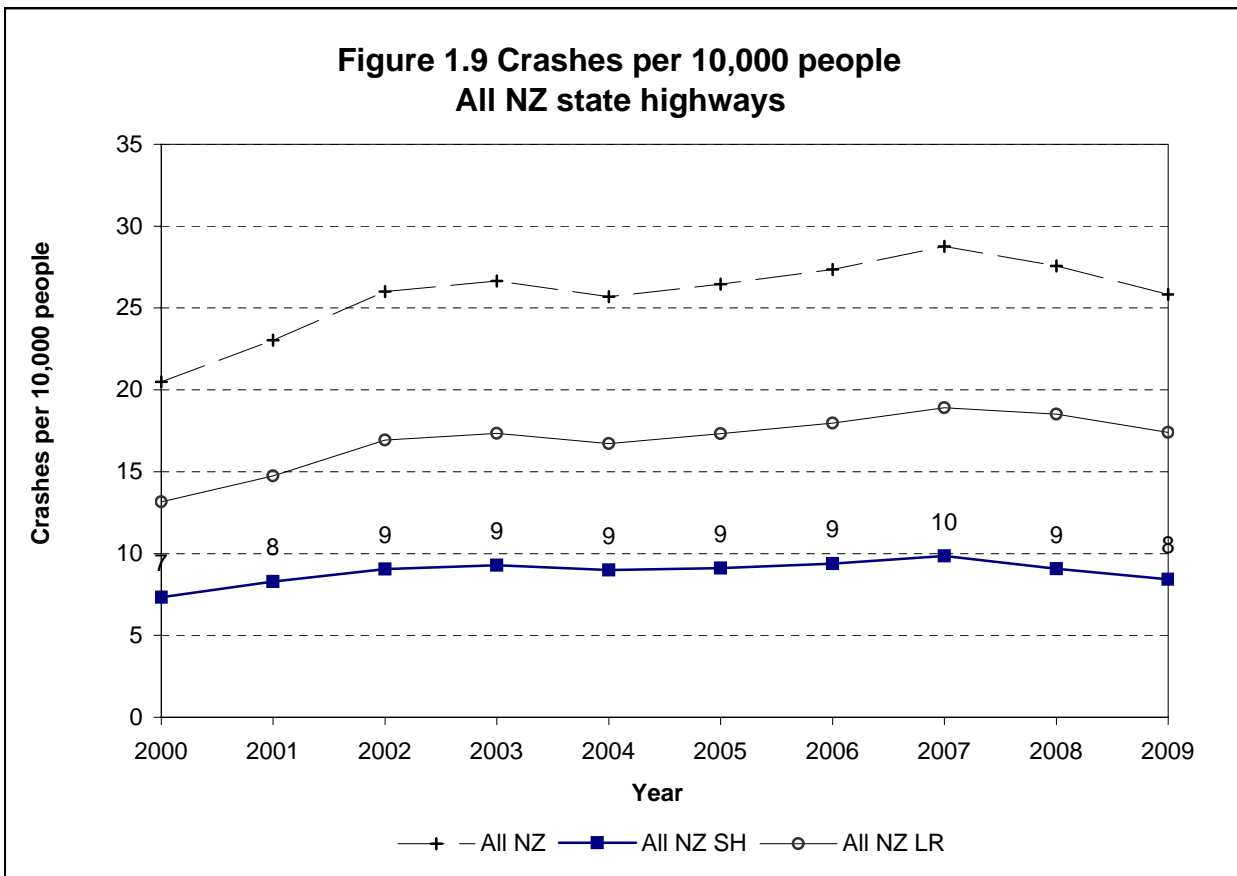
**Figure 1.7 Crashes per 100 million vehicle kilometres travelled - urban state highways**



**Figure 1.8 Crashes per 100 million vehicle-kilometres travelled  
- rural state highways**







**Figure 1.11 Social cost of crashes in All NZ in 2009**

		All NZ	New Zealand
Council roads	urban	\$1,607.40	\$1,607.40
	rural	\$909.43	\$909.43
State Highways	urban	\$299.76	\$299.76
	rural	\$1,487.35	\$1,487.35
<b>Total</b>		<b>\$4,303.94</b>	<b>\$4,303.94</b>

Note: Crash costs are in \$ millions

The social costs of a road crash and the associated injuries include a number of different elements:

- Loss of life and life quality
- Loss of output due to temporary incapacitation
- Medical costs
- Legal costs
- Property damage costs

The average value of a loss of life due to a road crash is estimated by the amount of money the New Zealand population would be willing to pay for a safety improvement that would result in the expected avoidance of one premature death. This is the willingness to pay based value of statistical life or VOSL. The VOSL was established at \$2 million in 1991. This has been indexed to the average hourly earnings (ordinary time) to express the value in current dollars. The updated VOSL is \$3.5 million (in June 2009 dollars). Based on several international and New Zealand studies on VOSL, the average loss of life quality for permanent impairments due to a serious and a minor injury were estimated to be 10% and 0.4% of the VOSL respectively.

Crash rates can vary due to reporting rates. These are adjusted on a regional basis in this report by comparing with hospitalisation rates.

The other social cost components are estimated based on a number of studies conducted during the early to mid-1990s and are updated for price changes by indexing to an appropriate price index.

For a detail discussion on this, please refer to 'The social cost of road crashes and injuries: June 2009 update', available at the Ministry of Transport's website:

<http://www.transport.govt.nz/assets/NewPDFs/NewFolder/Social-Cost-June-2009-update-final.pdf>

The average social cost per reported crash (in June 2009 dollars) are estimated at:

Rural fatal crash	\$4,260,000
Rural serious crash	\$820,000
Rural minor crash	\$91,000
Urban fatal crash	\$3,775,000
Urban serious crash	\$699,000
Urban minor crash	\$82,000

These values include an allowance for non-reported injury crashes, and the totals in Fig. 1.11 also include an allowance for non-injury crashes.



# *Crash Counts*





**Figure 2.1: Crash numbers and severity 2005 to 2009 - All SH**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	189	188	191	160	176	904	5%	2%
Serious crashes	754	802	773	694	682	3705	19%	18%
Minor crashes	2825	2937	3204	3014	2775	14755	76%	80%
<b>Total injury crashes</b>	<b>3768</b>	<b>3927</b>	<b>4168</b>	<b>3868</b>	<b>3633</b>	<b>19364</b>	<b>100%</b>	<b>100%</b>
Non-injury crashes	7915	8304	8414	7968	8006	40607		

**Figure 2.2: Crash numbers and severity 2005 to 2009 - urban state highways**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	22	18	24	21	18	103	2%	1%
Serious crashes	128	172	157	138	144	739	15%	16%
Minor crashes	757	816	848	884	794	4099	83%	83%
<b>Total injury crashes</b>	<b>907</b>	<b>1006</b>	<b>1029</b>	<b>1043</b>	<b>956</b>	<b>4941</b>	<b>100%</b>	<b>100%</b>
Non-injury crashes	2713	2831	2942	2908	2883	14277		

**Figure 2.3: Crash numbers and severity 2005 to 2009 - rural state highways**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	167	170	167	139	158	801	6%	5%
Serious crashes	626	630	616	556	538	2966	21%	25%
Minor crashes	2068	2121	2356	2130	1981	10656	74%	70%
<b>Total injury crashes</b>	<b>2861</b>	<b>2921</b>	<b>3139</b>	<b>2825</b>	<b>2677</b>	<b>14423</b>	<b>100%</b>	<b>100%</b>
Non-injury crashes	5202	5473	5472	5060	5123	26330		

**Figure 2.4: Casualty numbers and severity 2005 to 2009 - All SH**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	241	220	221	179	201	1062	4%	2%
Serious casualties	1016	1067	1055	924	921	4983	18%	16%
Minor casualties	4381	4548	4862	4379	4234	22404	79%	82%
<b>Total casualties</b>	<b>5638</b>	<b>5835</b>	<b>6138</b>	<b>5482</b>	<b>5356</b>	<b>28449</b>	<b>100%</b>	<b>100%</b>

**Figure 2.5: Casualty numbers and severity 2005 to 2009 - urban state highways**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	23	18	26	24	18	109	2%	1%
Serious casualties	146	184	188	175	162	855	13%	14%
Minor casualties	1075	1147	1185	1211	1061	5679	85%	85%
<b>Total casualties</b>	<b>1244</b>	<b>1349</b>	<b>1399</b>	<b>1410</b>	<b>1241</b>	<b>6643</b>	<b>100%</b>	<b>100%</b>

**Figure 2.6: Casualty numbers and severity 2005 to 2009 - rural state highways**

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	218	202	195	155	183	953	4%	4%
Serious casualties	870	883	867	749	759	4128	19%	22%
Minor casualties	3306	3401	3677	3168	3173	16725	77%	74%
<b>Total casualties</b>	<b>4394</b>	<b>4486</b>	<b>4739</b>	<b>4072</b>	<b>4115</b>	<b>21806</b>	<b>100%</b>	<b>100%</b>

Figure 2.1: Crash numbers and severity 2005 to 2009 - all local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	152	162	184	170	161	829	2%	2%
Serious crashes	1363	1383	1395	1449	1291	6881	18%	18%
Minor crashes	5649	5971	6411	6283	6059	30373	80%	80%
Total injury crashes	7164	7516	7990	7902	7511	38083	100%	100%
Non-injury crashes	19528	20052	21094	19786	18859	99319		

Figure 2.2: Crash numbers and severity 2005 to 2009 - urban local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	69	84	77	65	74	369	1%	1%
Serious crashes	896	934	953	994	858	4635	16%	16%
Minor crashes	4472	4705	5079	4999	4886	24141	83%	83%
Total injury crashes	5437	5723	6109	6058	5818	29145	100%	100%
Non-injury crashes	17320	17853	18695	17354	16551	87773		

Figure 2.3: Crash numbers and severity 2005 to 2009 - rural local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	83	78	107	105	87	460	5%	5%
Serious crashes	467	449	442	455	433	2246	25%	25%
Minor crashes	1177	1266	1332	1284	1173	6232	70%	70%
Total injury crashes	1727	1793	1881	1844	1693	8938	100%	100%
Non-injury crashes	2208	2199	2399	2432	2308	11546		

Figure 2.4: Casualty numbers and severity 2005 to 2009 - all local roads

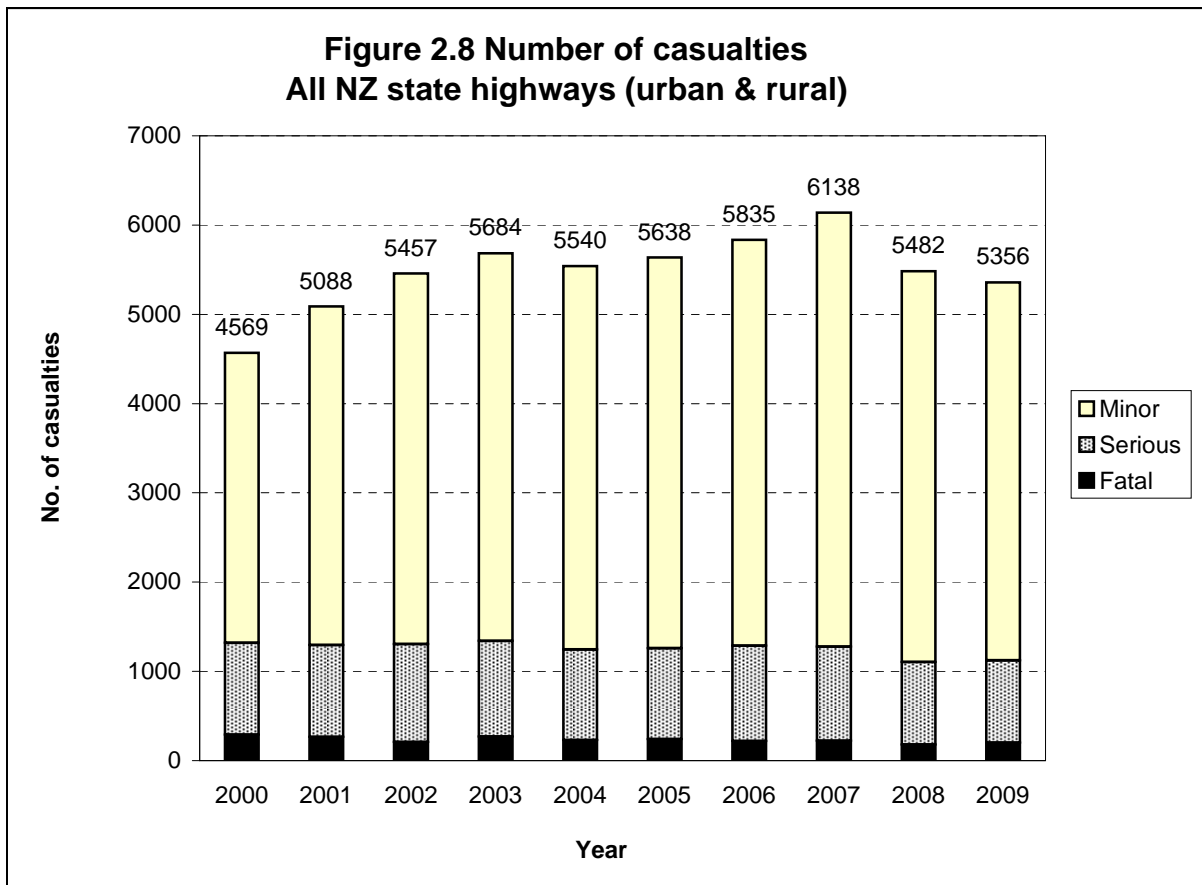
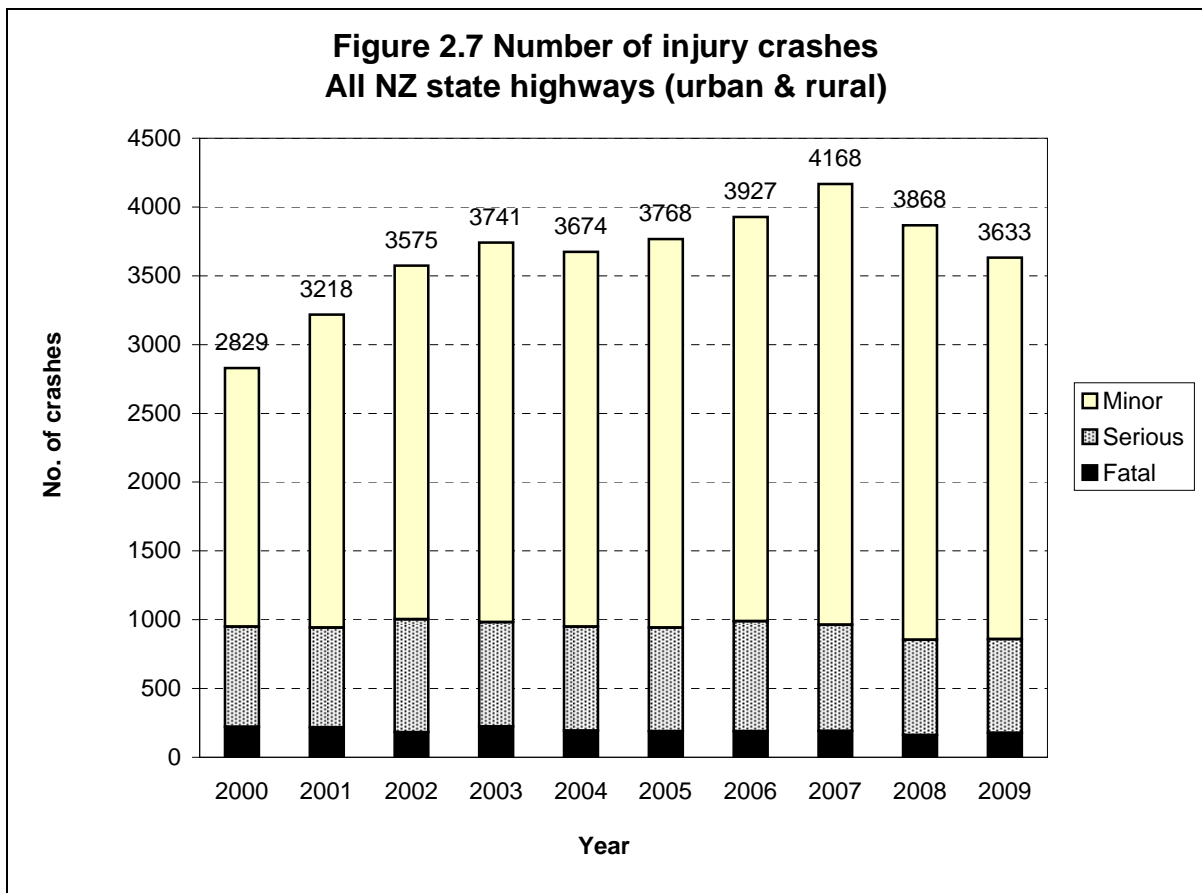
	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	164	173	200	186	183	906	2%	2%
Serious casualties	1570	1622	1660	1661	1516	8029	16%	16%
Minor casualties	7684	8157	8618	8383	7895	40737	82%	82%
Total casualties	9418	9952	10478	10230	9594	49672	100%	100%

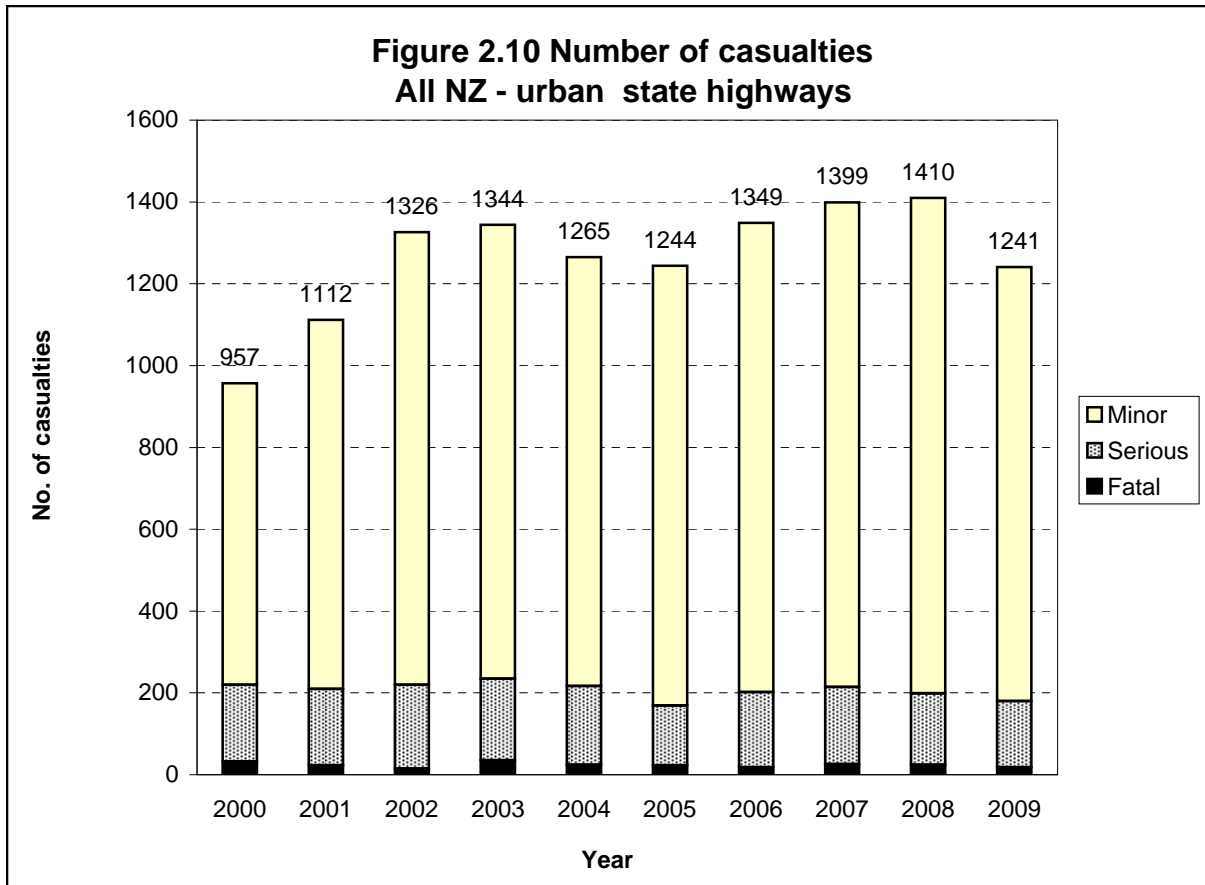
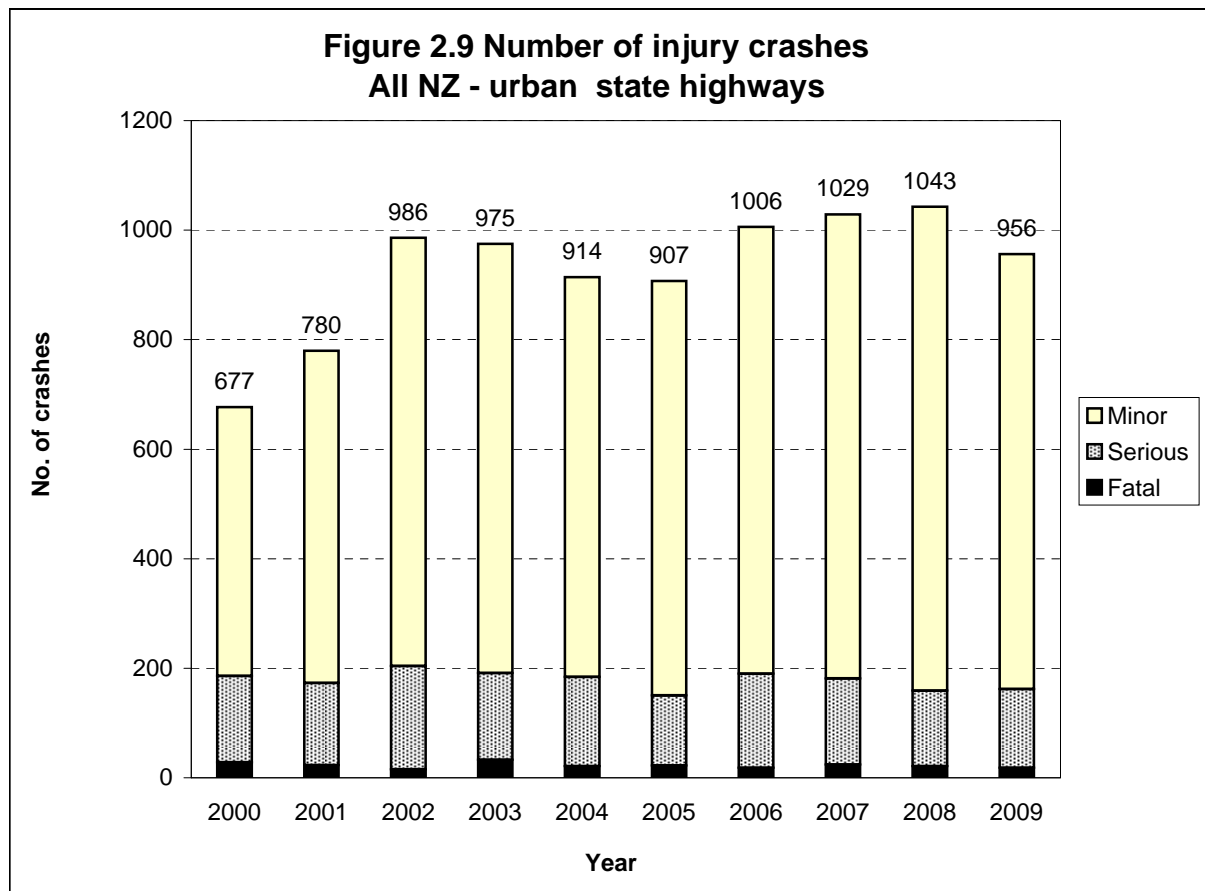
Figure 2.5: Casualty numbers and severity 2005 to 2009 - urban local roads

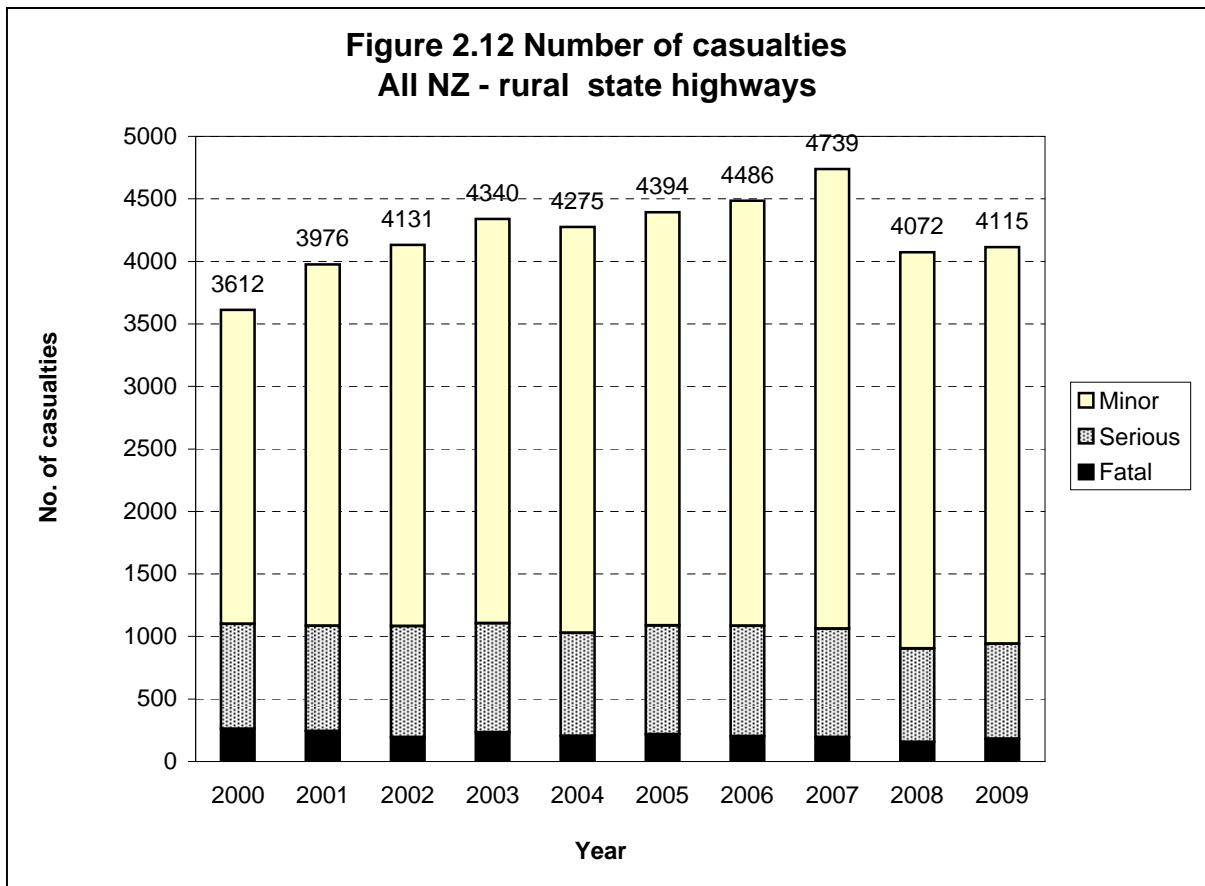
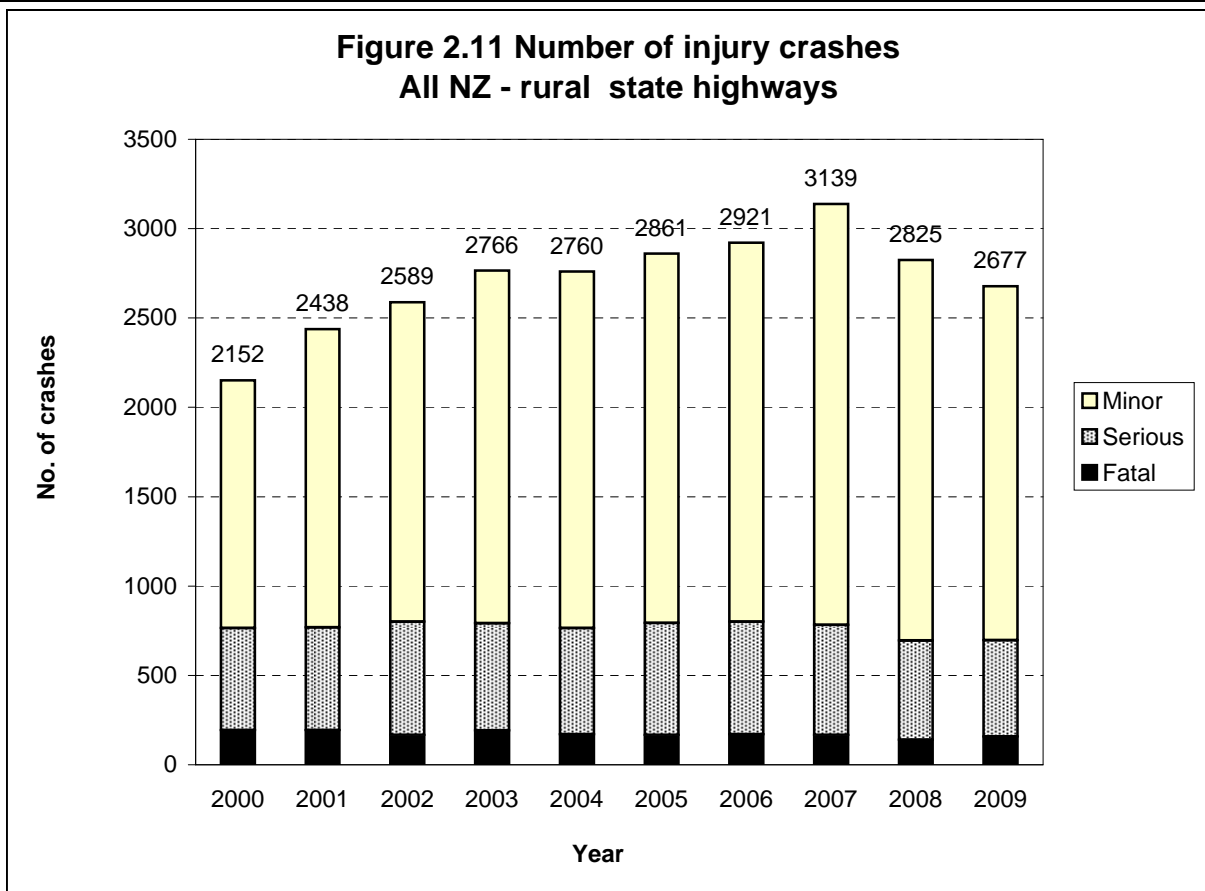
	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	74	88	77	66	84	389	1%	1%
Serious casualties	996	1062	1080	1083	977	5198	14%	14%
Minor casualties	5801	6192	6603	6407	6188	31191	85%	85%
Total casualties	6871	7342	7760	7556	7249	36778	100%	100%

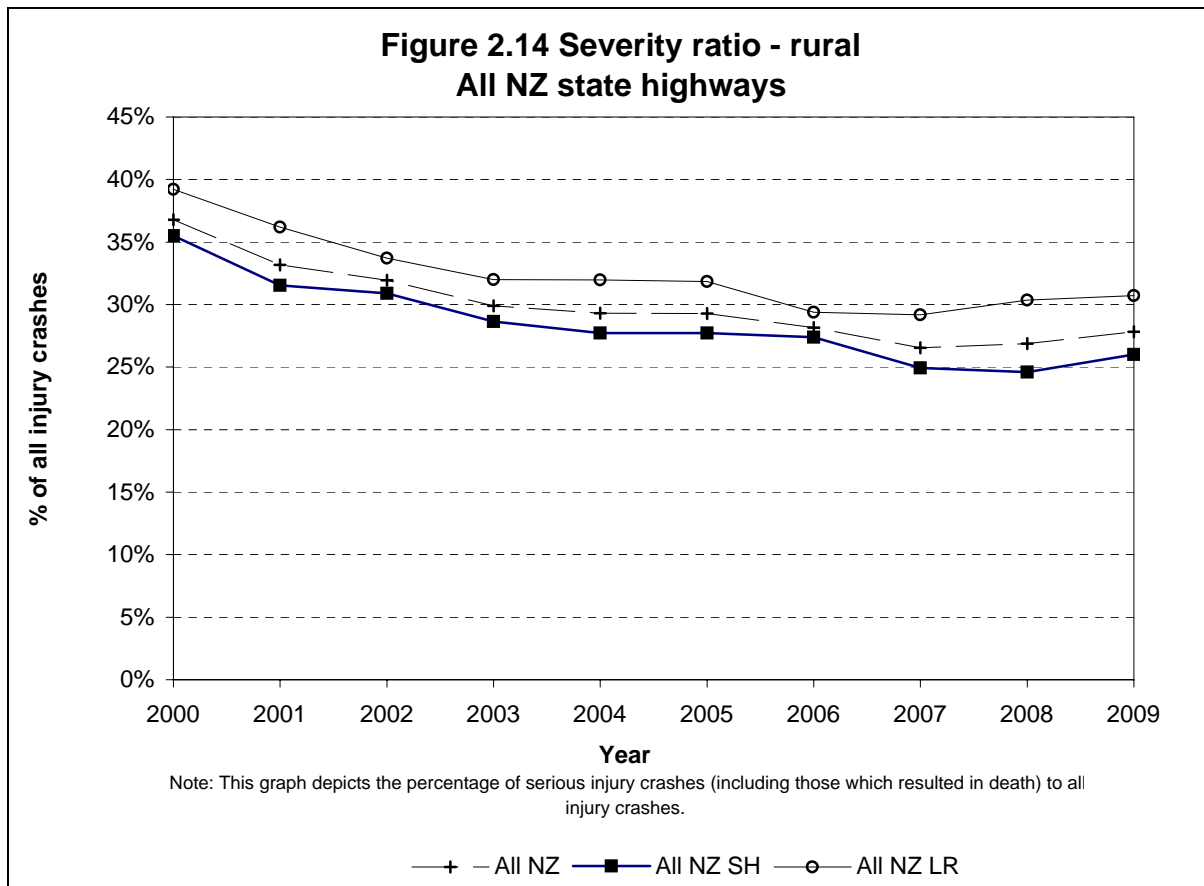
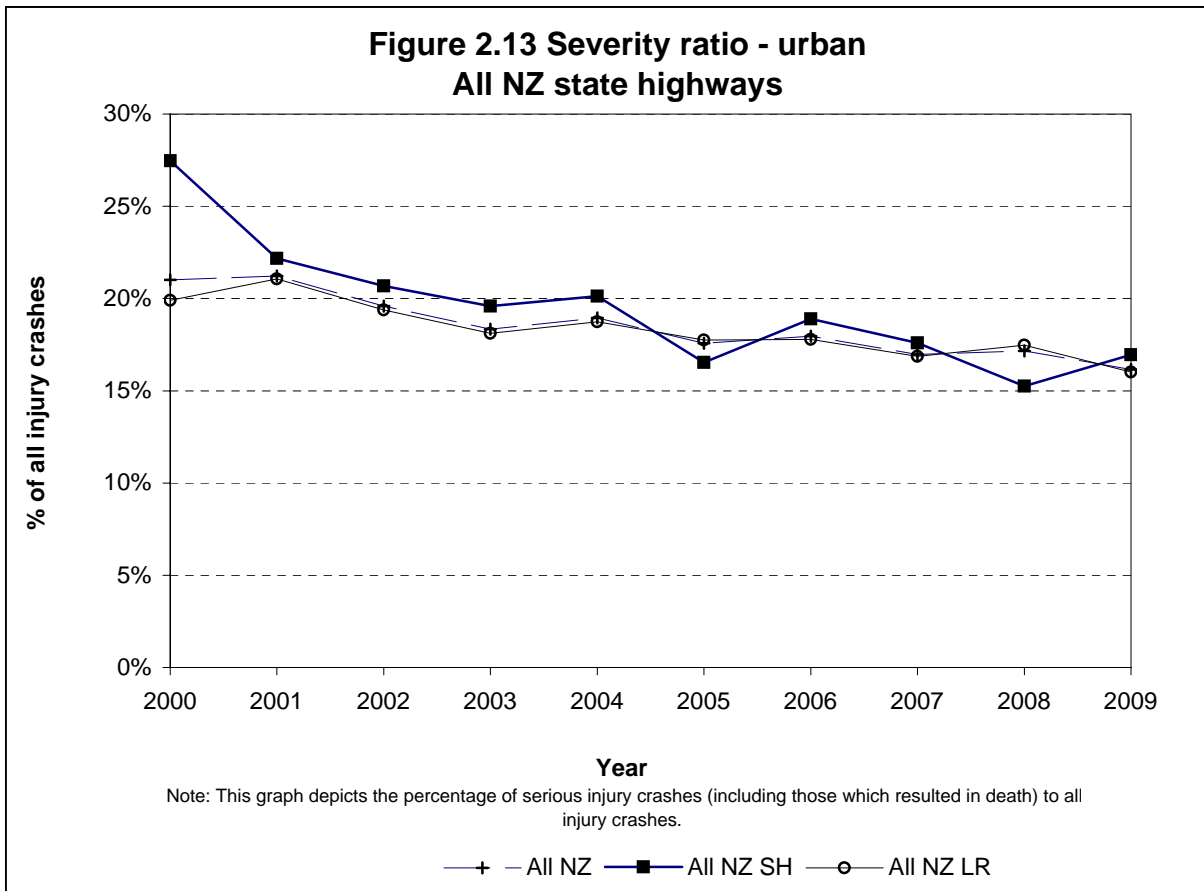
Figure 2.6: Casualty numbers and severity 2005 to 2009 - rural local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	90	85	123	120	99	517	4%	4%
Serious casualties	574	560	580	578	539	2831	22%	22%
Minor casualties	1883	1965	2015	1976	1707	9546	74%	74%
Total casualties	2547	2610	2718	2674	2345	12894	100%	100%









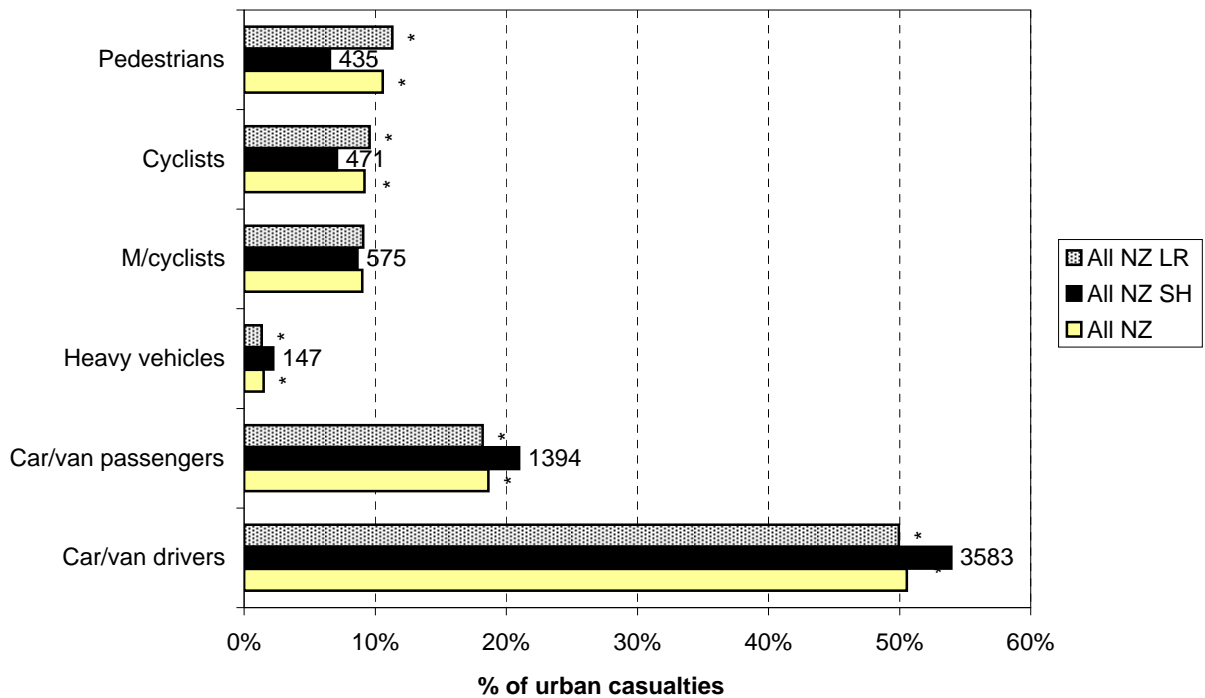




# *Road User Statistics*

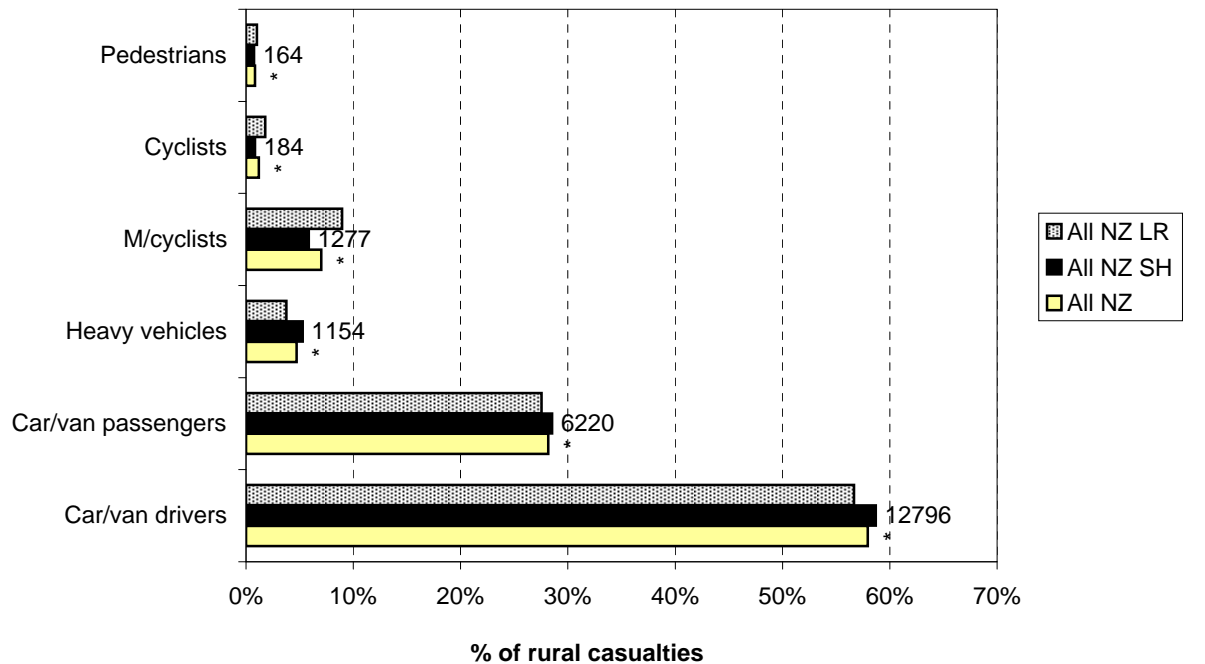


**Figure 3.1 Road user casualties - urban**  
**All NZ state highways (2005-2009)**



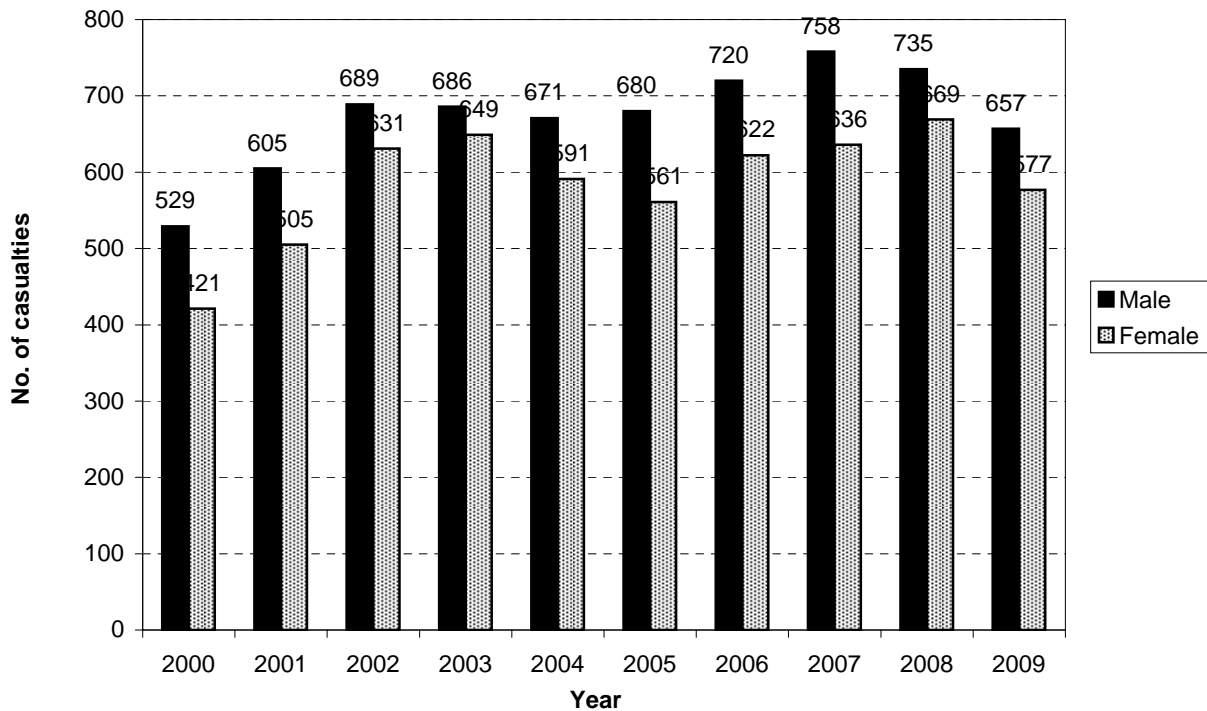
Note: While the graph plots percentages, the number of casualties is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 3.2 Road user casualties - rural**  
**All NZ state highways (2005-2009)**



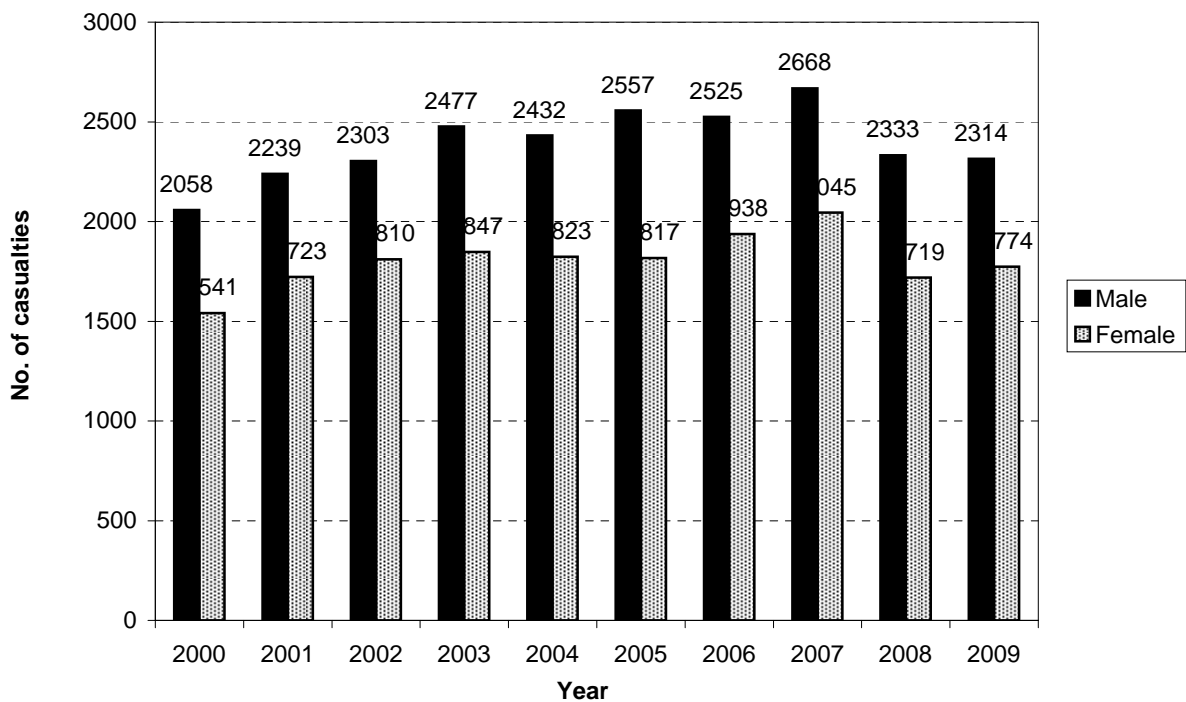
Note: While the graph plots percentages, the number of casualties is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 3.3 Male/female casualties - urban  
All NZ state highways**



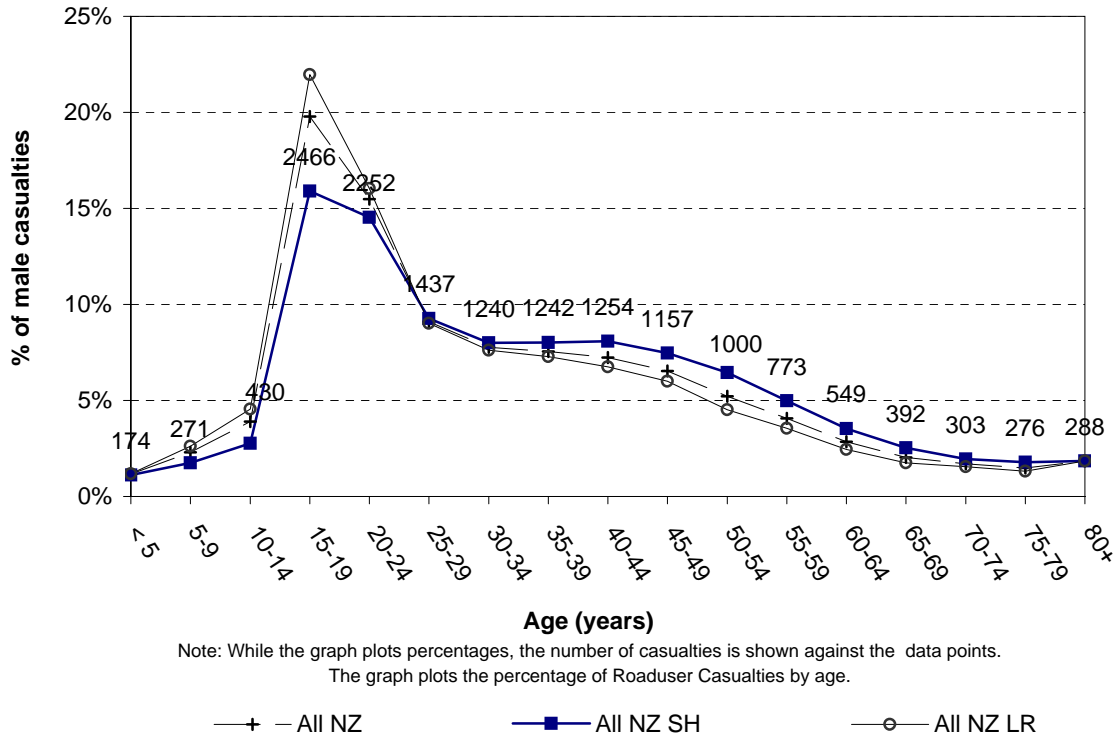
Note: This graph shows the number of male and female roadusers injured

**Figure 3.4 Male/female casualties - rural  
All NZ state highways**

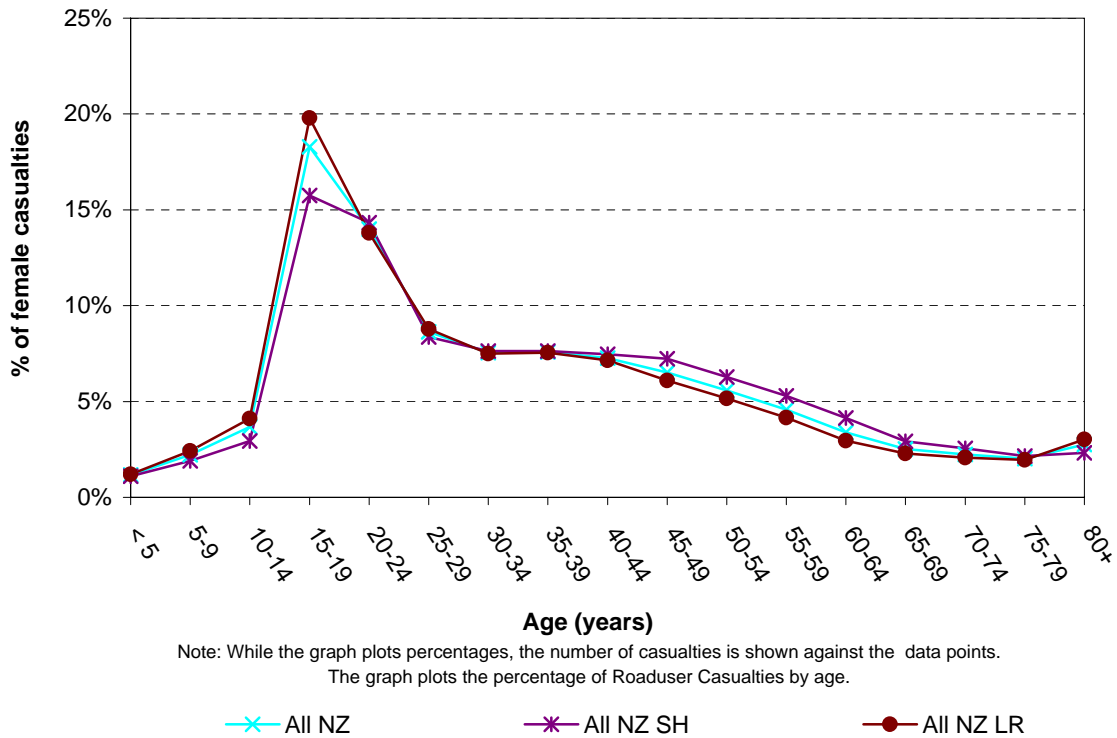


Note: This graph shows the number of male and female roadusers injured

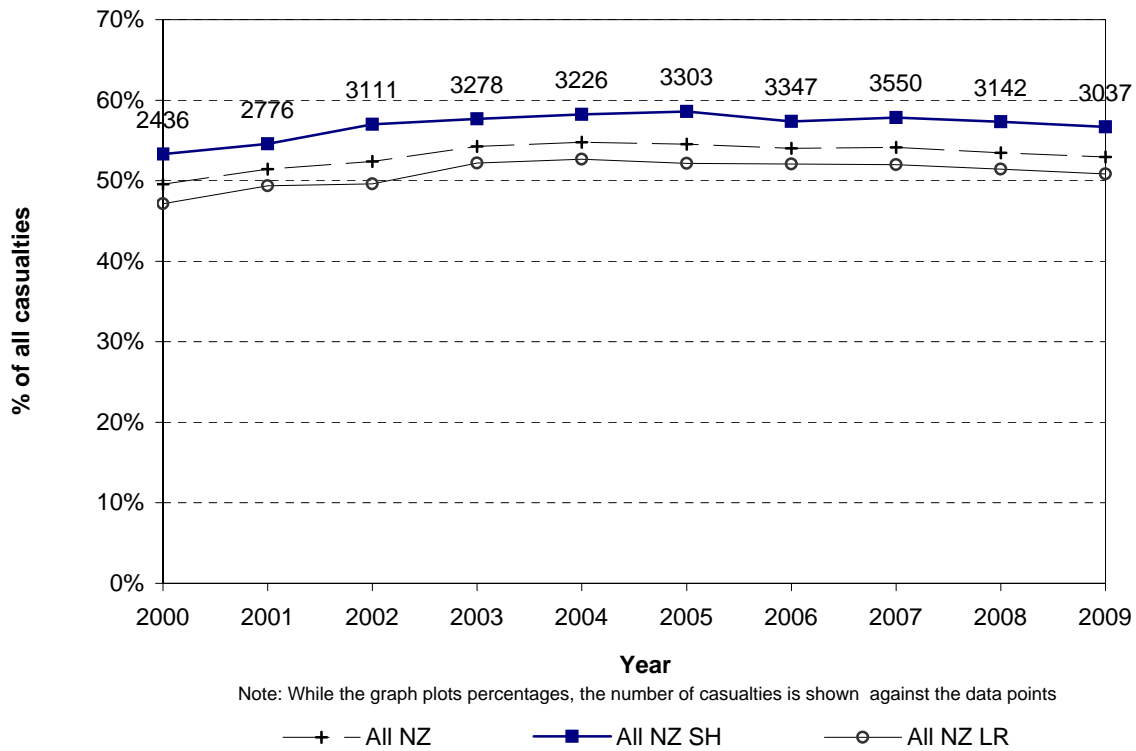
**Figure 3.5 Male casualties by age  
All NZ state highways (2005-2009)**



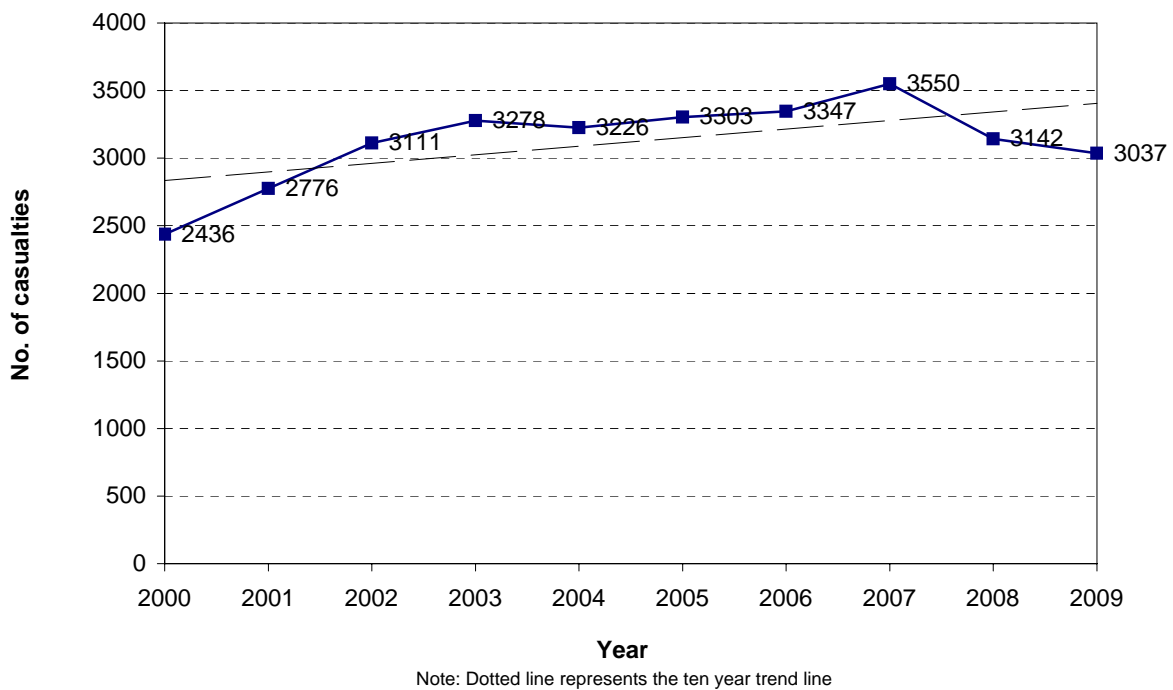
**Figure 3.6 Female casualties by age  
All NZ state highways (2005-2009)**



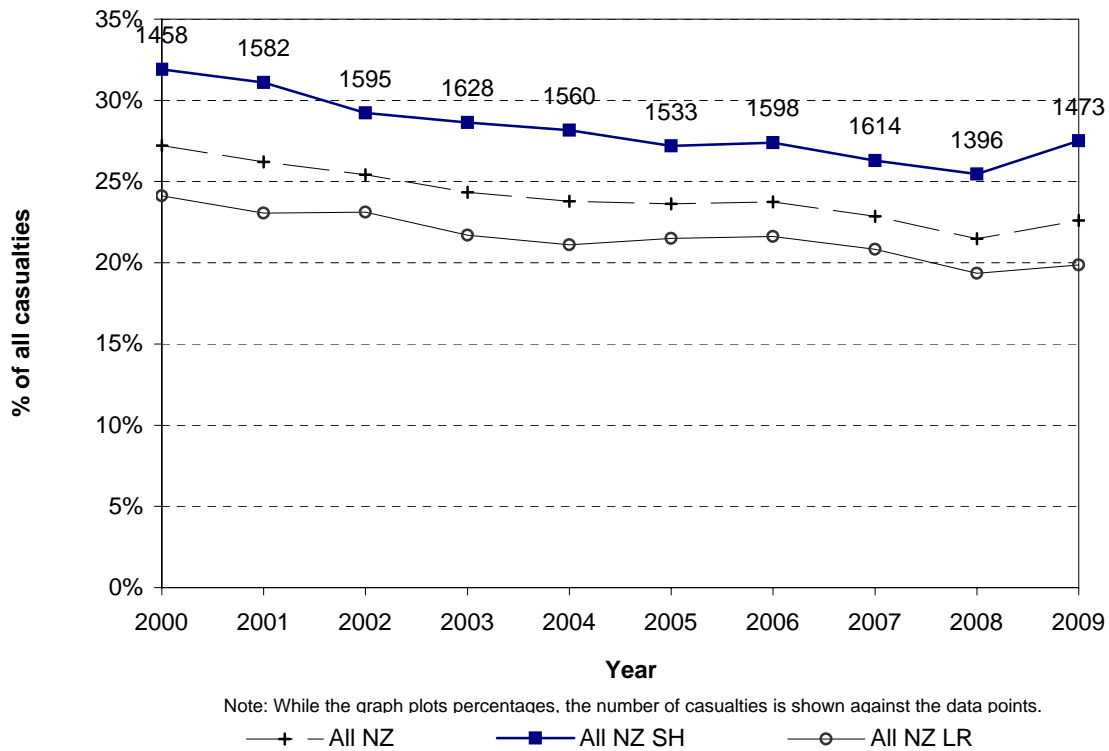
**Figure 3.7 Car/van driver casualties  
All NZ state highways**



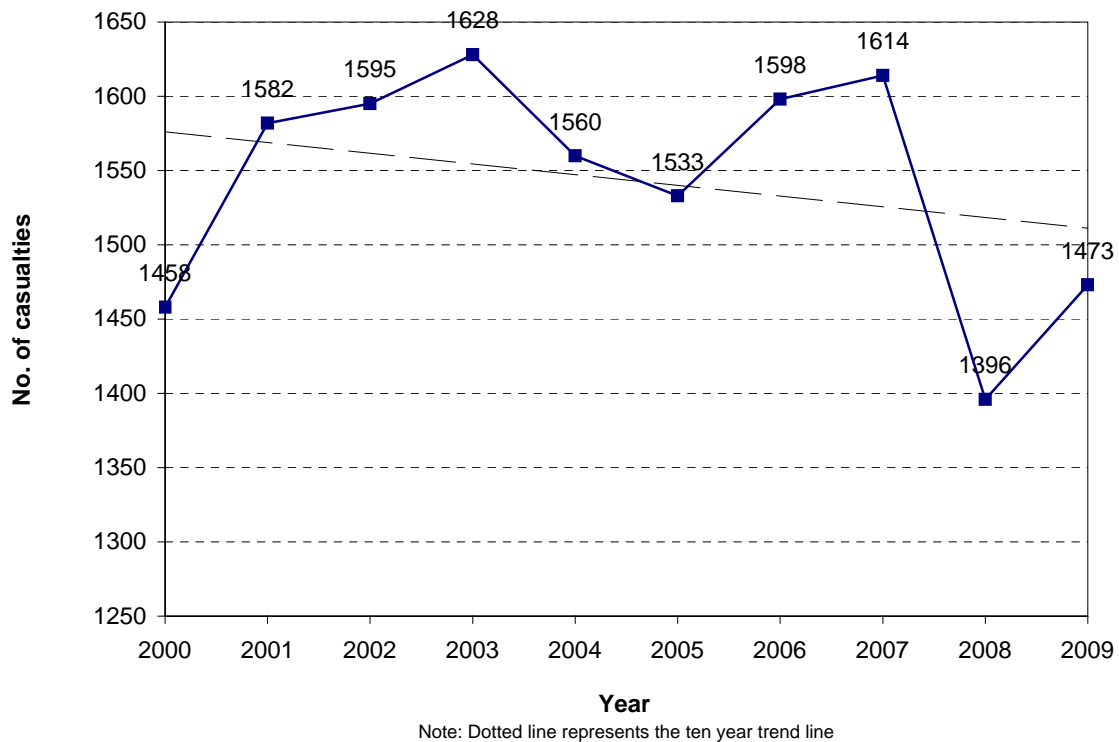
**Figure 3.8 Car/van driver casualties  
All NZ state highways**



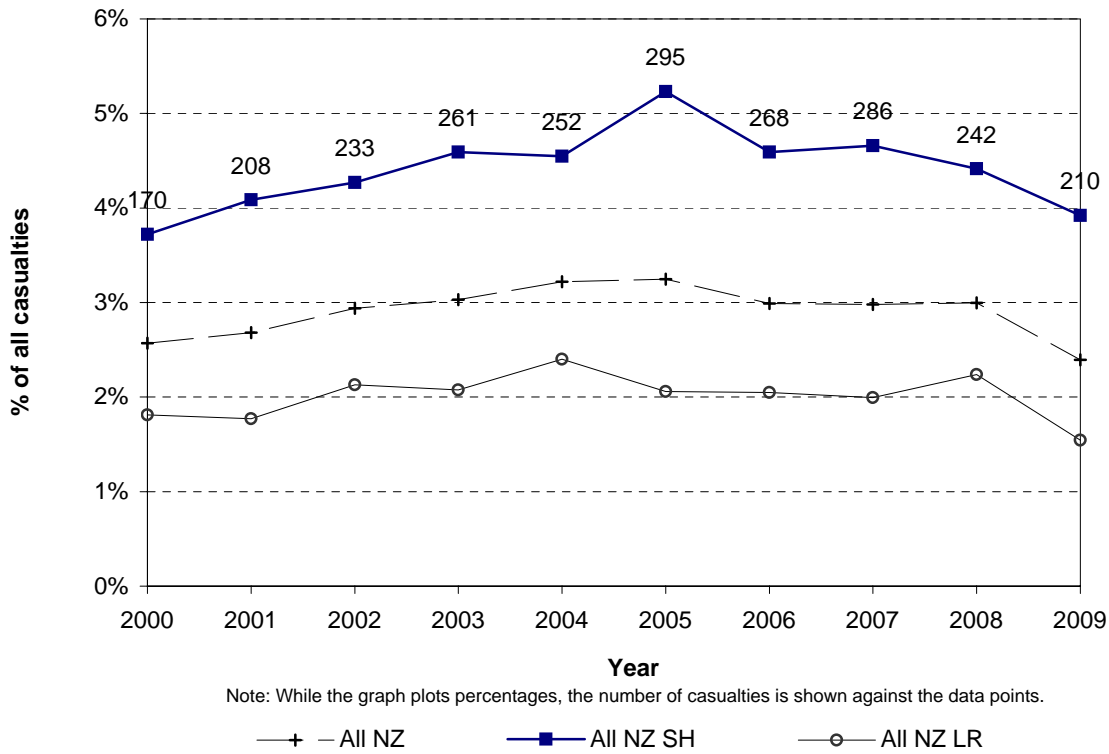
**Figure 3.9 Car/van passenger casualties  
All NZ state highways**



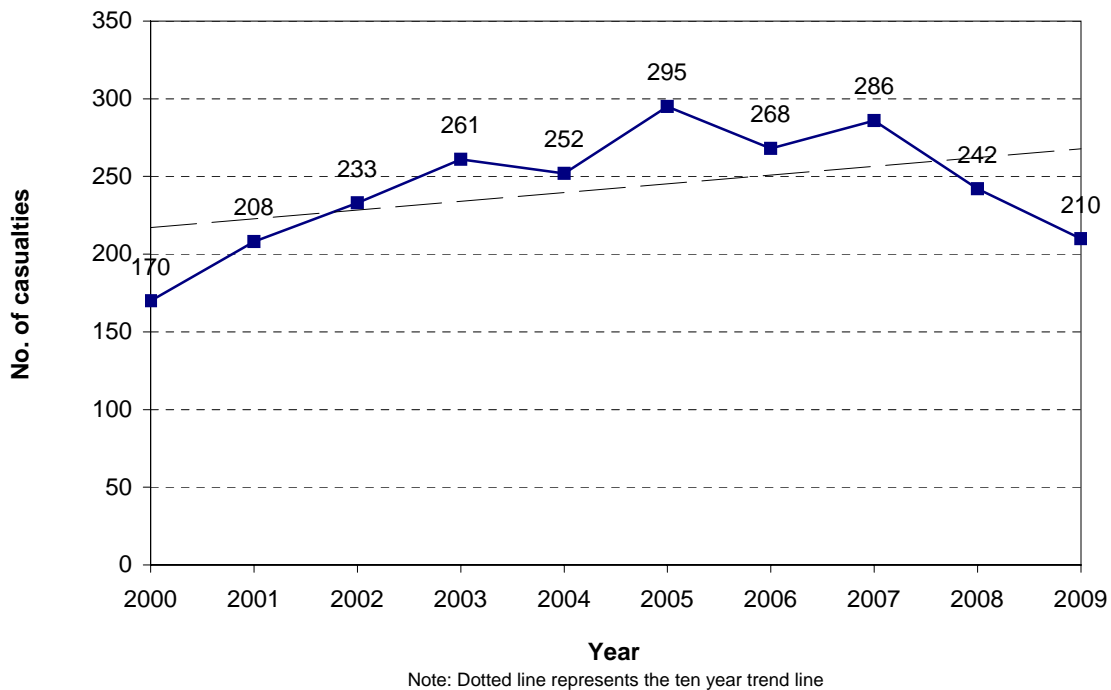
**Figure 3.10 Car/van passenger casualties  
All NZ state highways**



**Figure 3.11 Heavy vehicle casualties  
All NZ state highways**

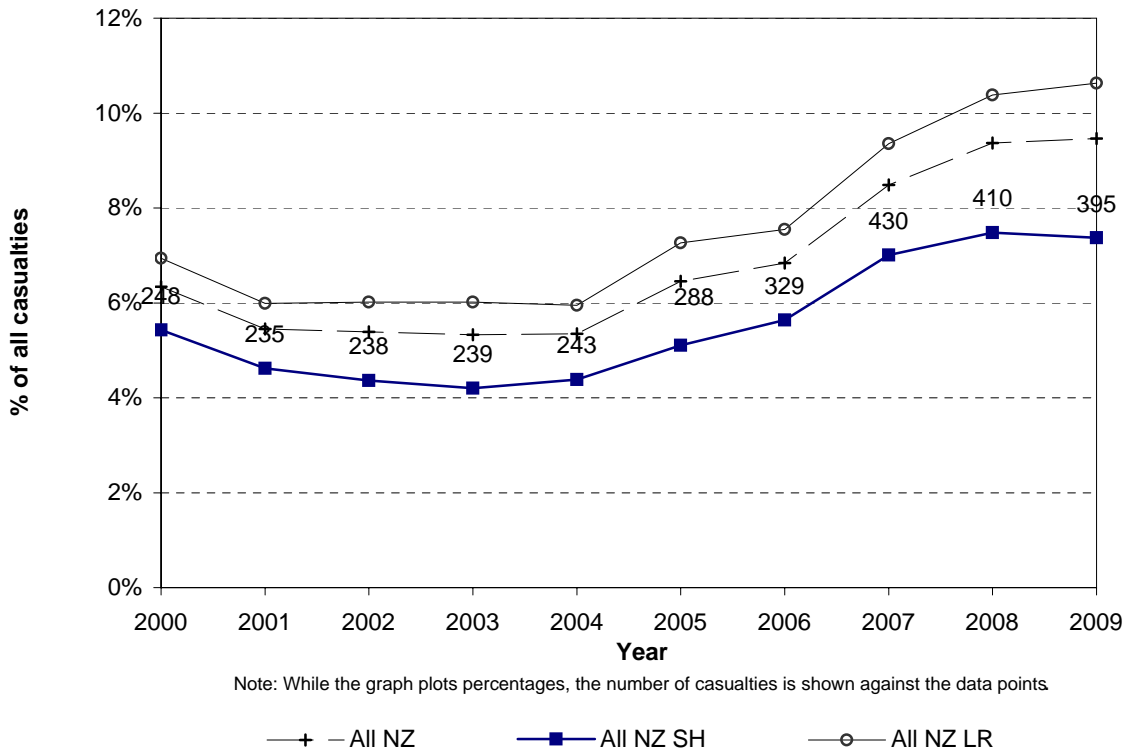


**Figure 3.12 Heavy vehicle casualties  
All NZ state highways**

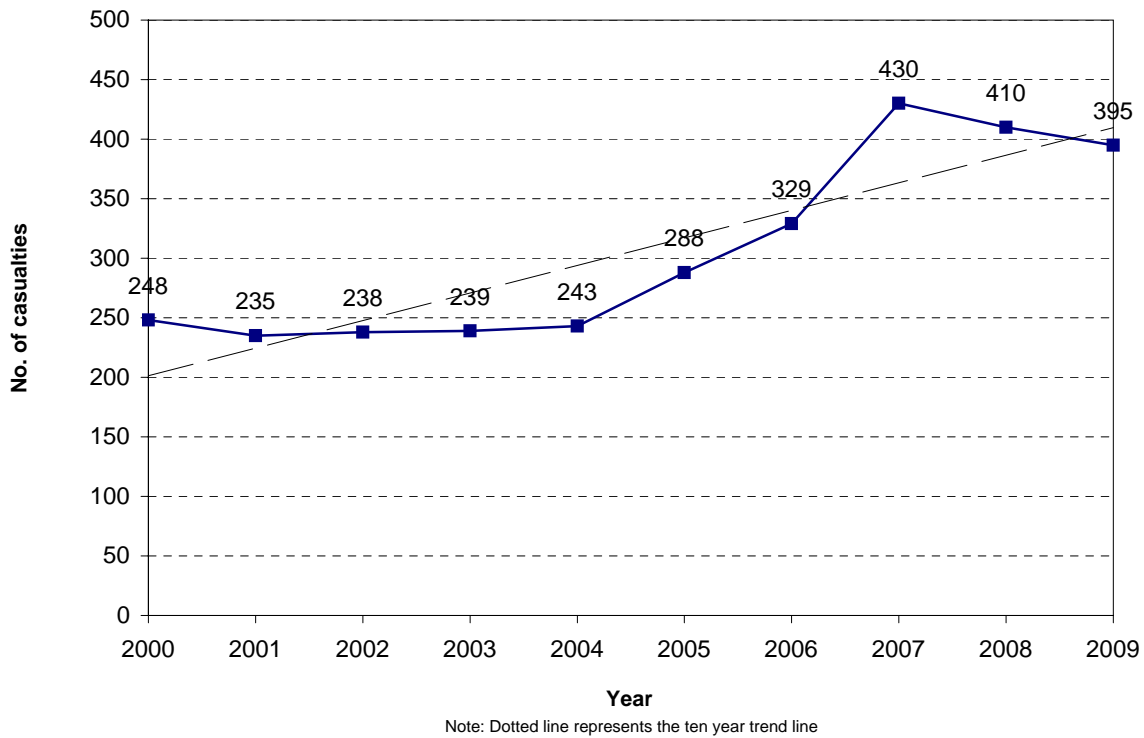




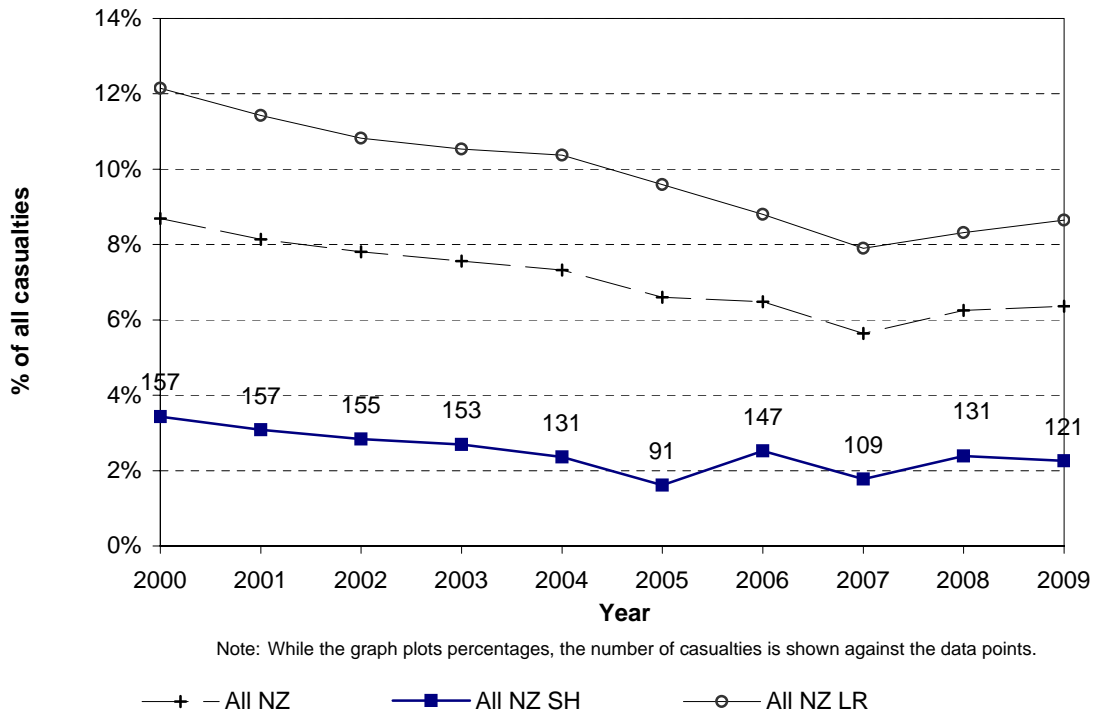
**Figure 3.13 Motorcyclist casualties  
All NZ state highways**



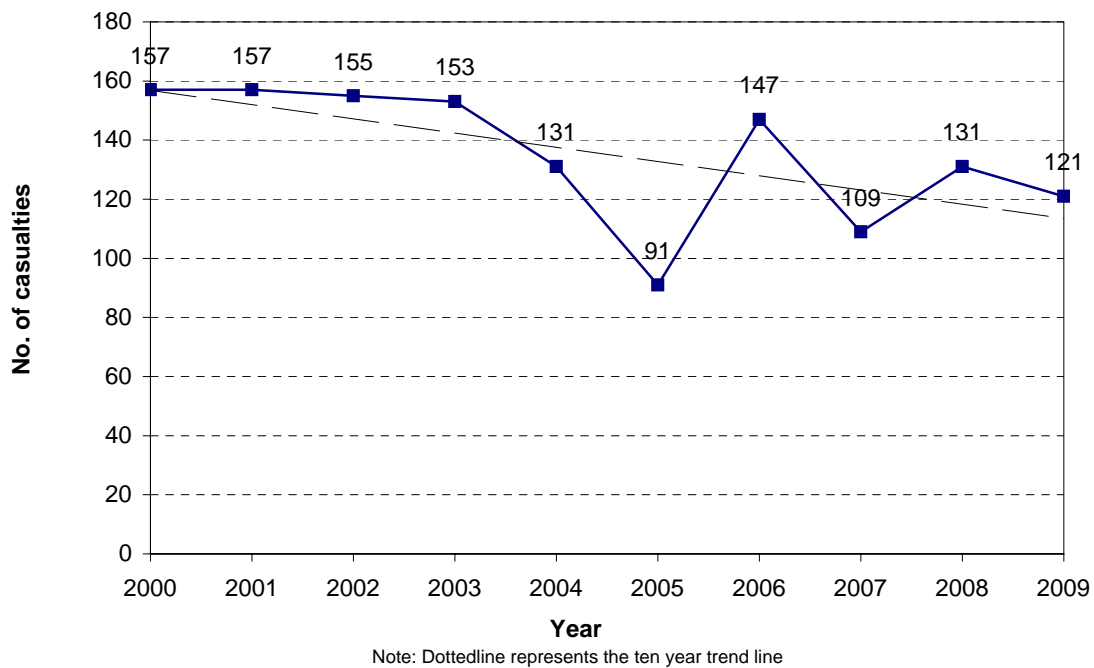
**Figure 3.14 Motorcyclist casualties  
All NZ state highways**



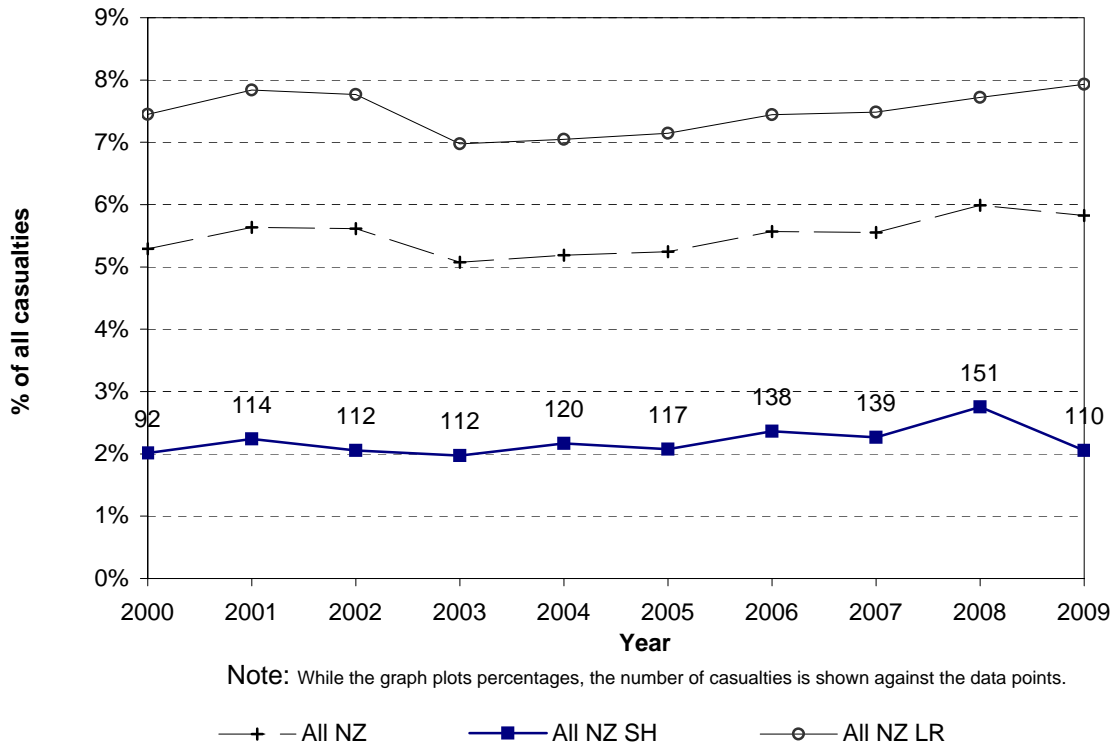
**Figure 3.15 Pedestrian casualties  
All NZ state highways**



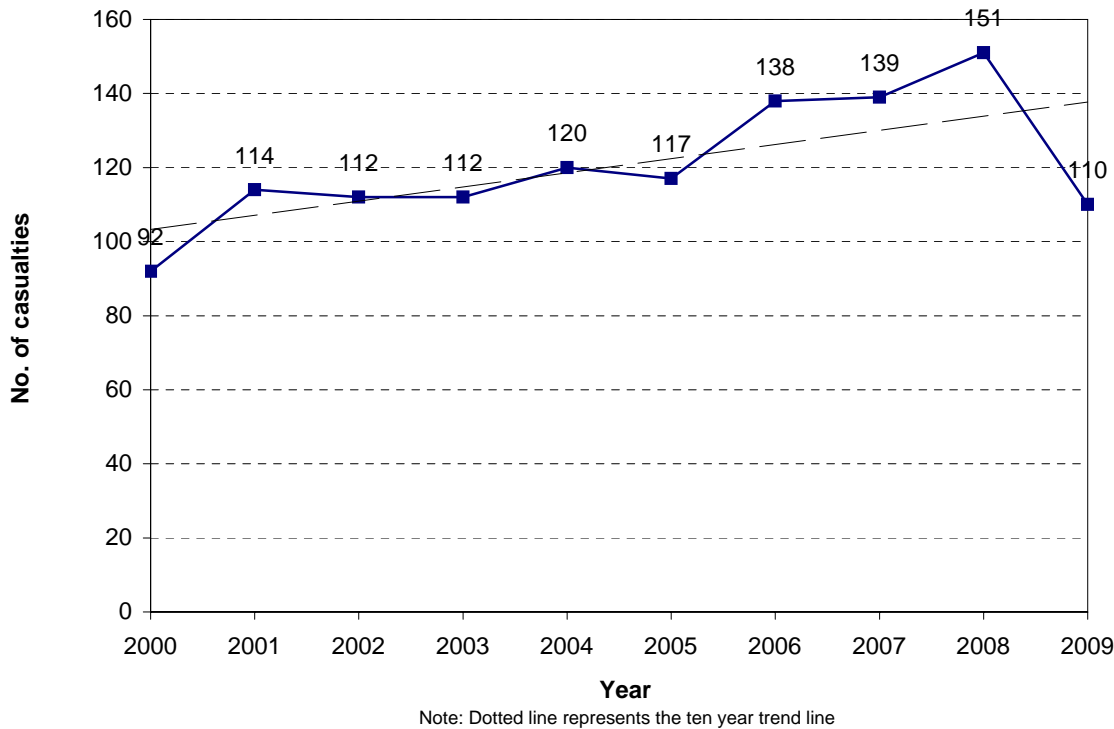
**Figure 3.16 Pedestrian casualties  
All NZ state highways**



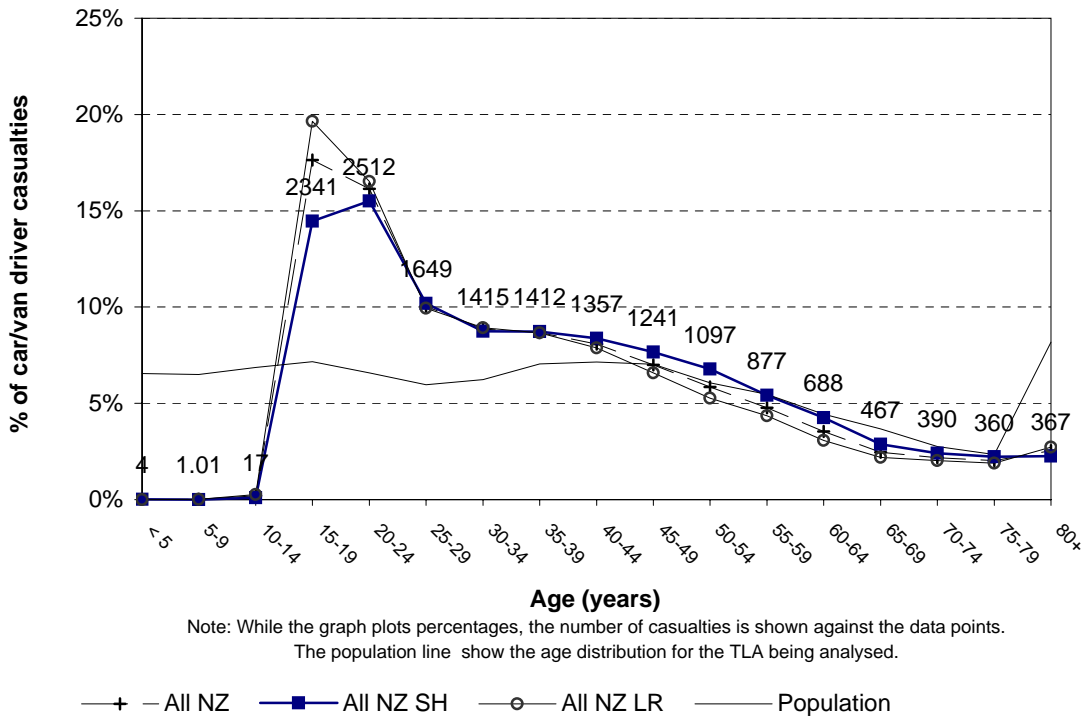
**Figure 3.17 Cyclist casualties**  
All NZ state highways



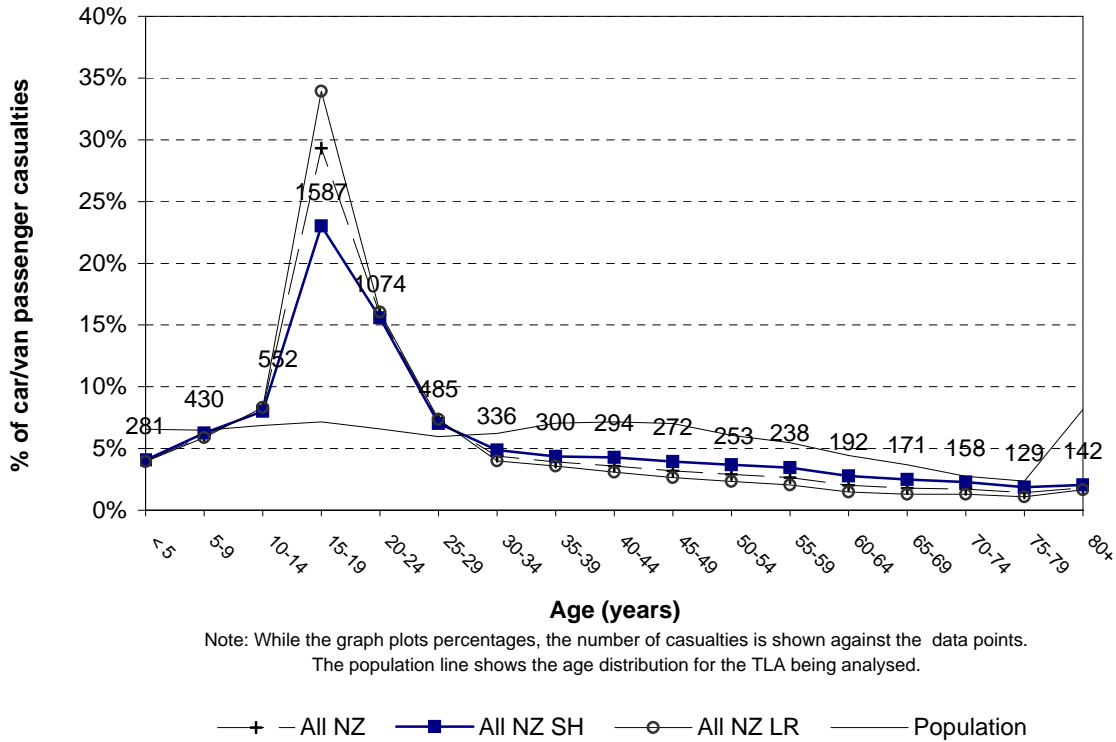
**Figure 3.18 Cyclist casualties**  
All NZ state highways



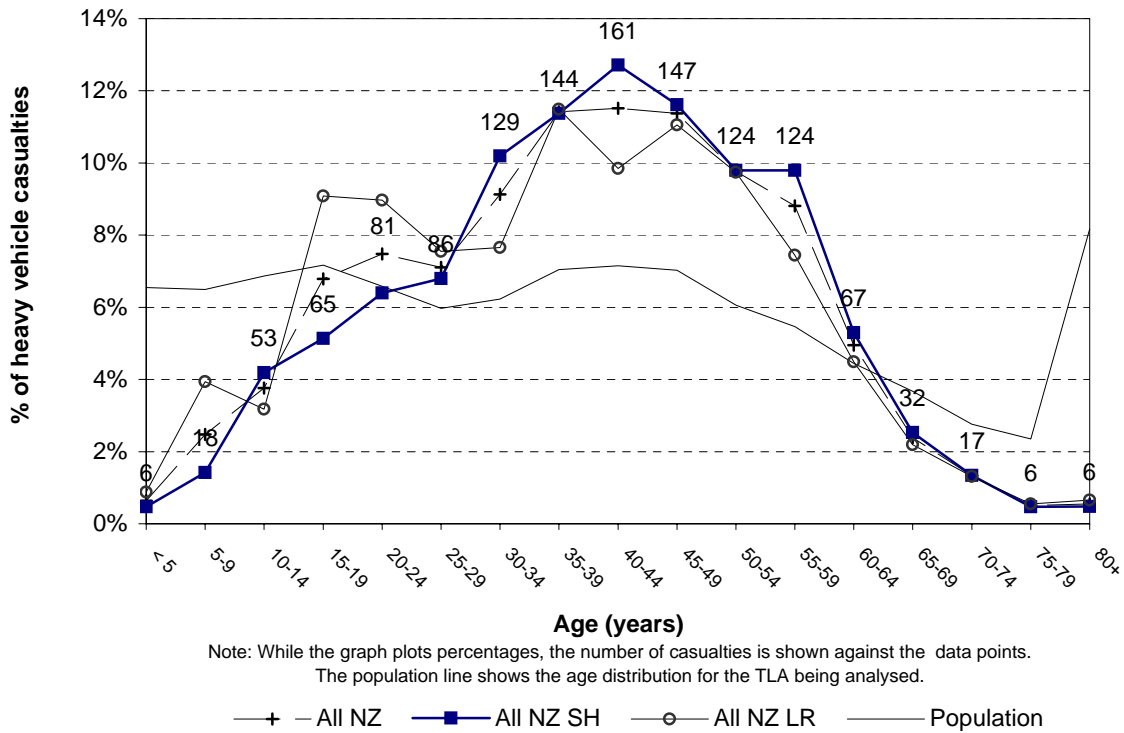
**Figure 3.19 Car/van driver casualty age**  
All NZ state highways (2005-2009)



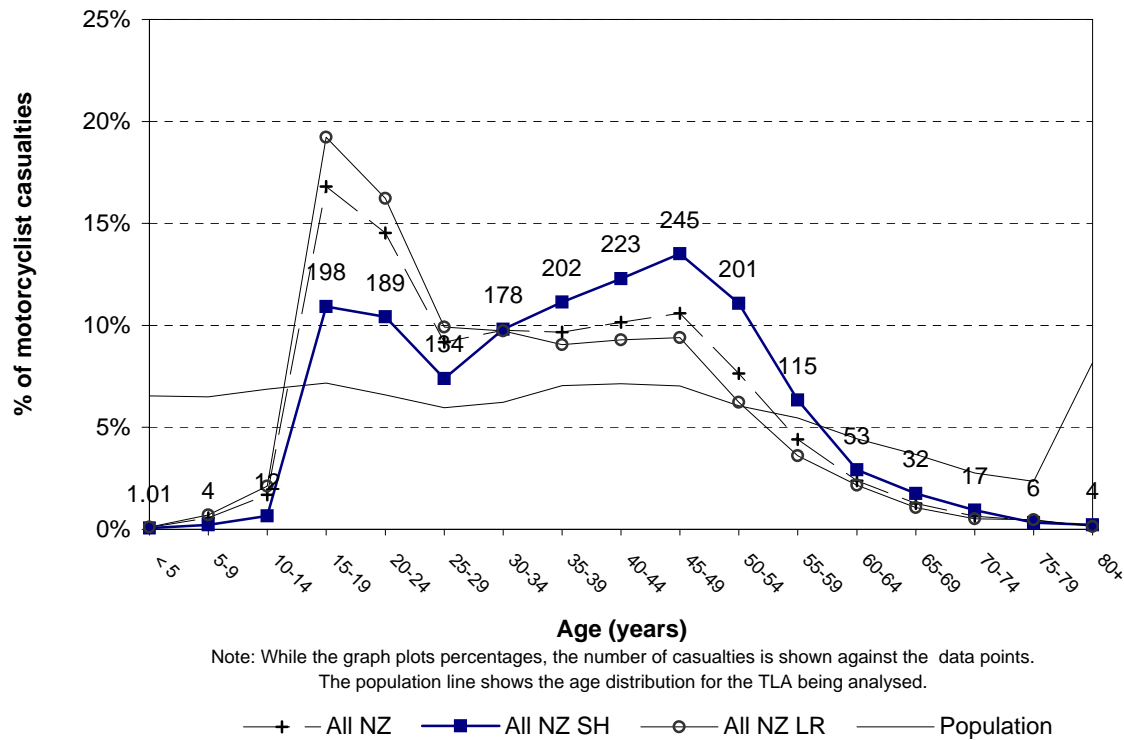
**Figure 3.20 Car/van passenger casualty age**  
All NZ state highways (2005-2009)



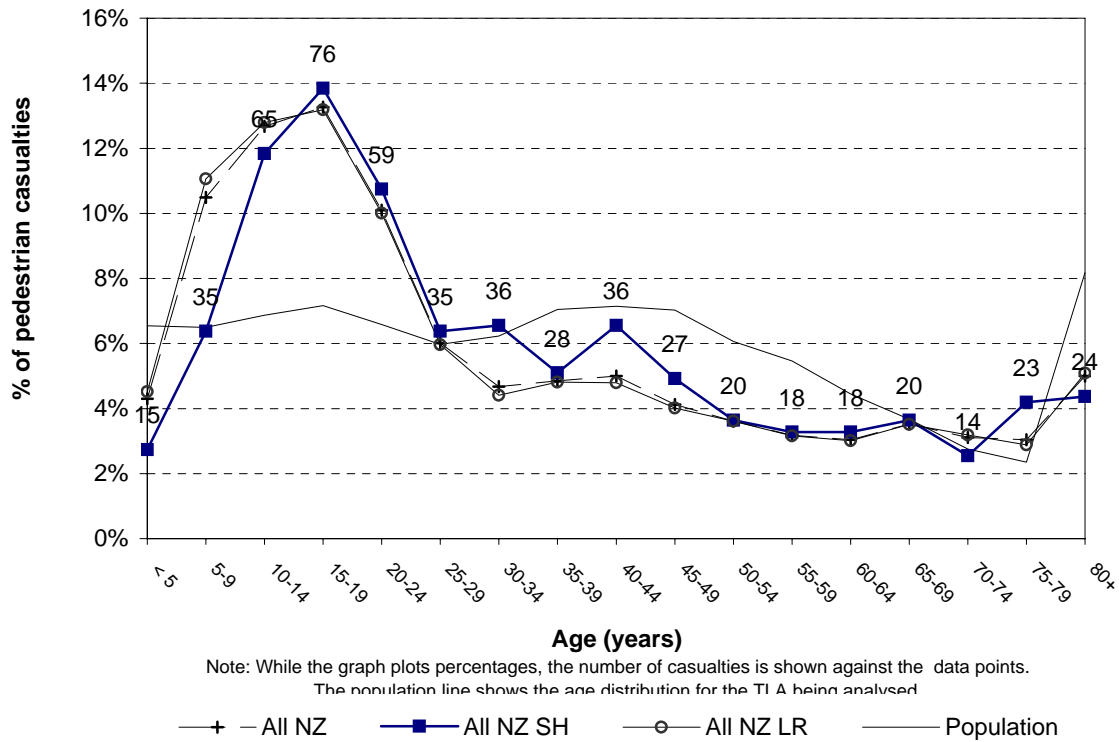
**Figure 3.21 Heavy vehicle casualty age  
All NZ state highways (2005-2009)**



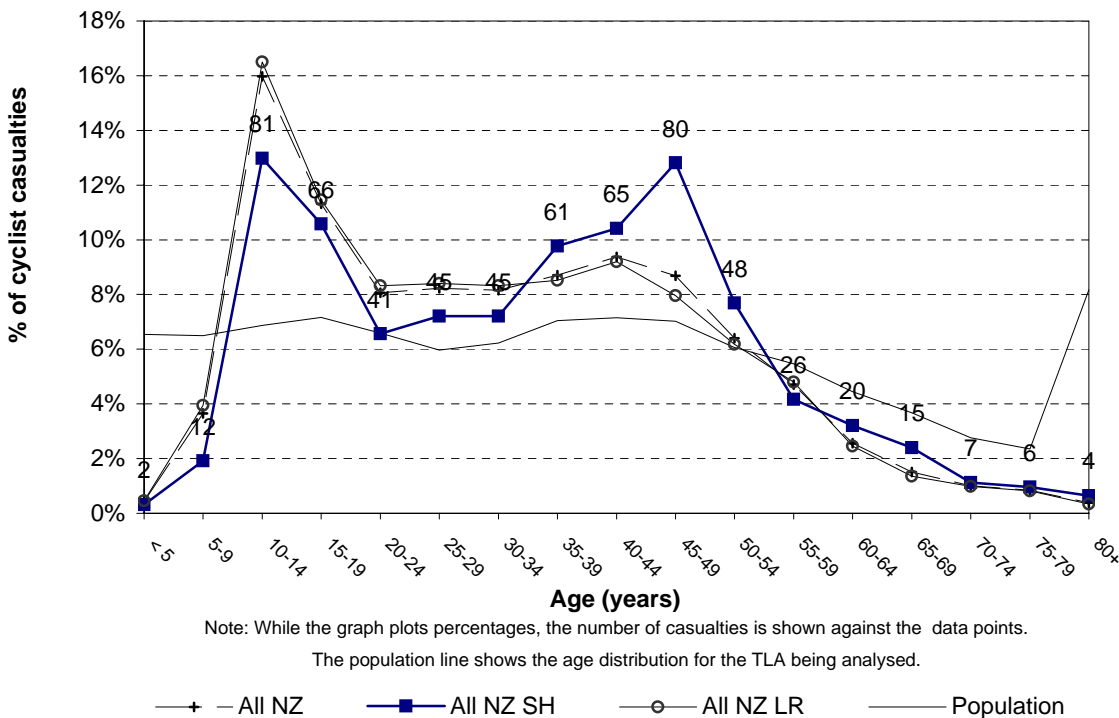
**Figure 3.22 Motorcyclist casualty age  
All NZ state highways (2005-2009)**



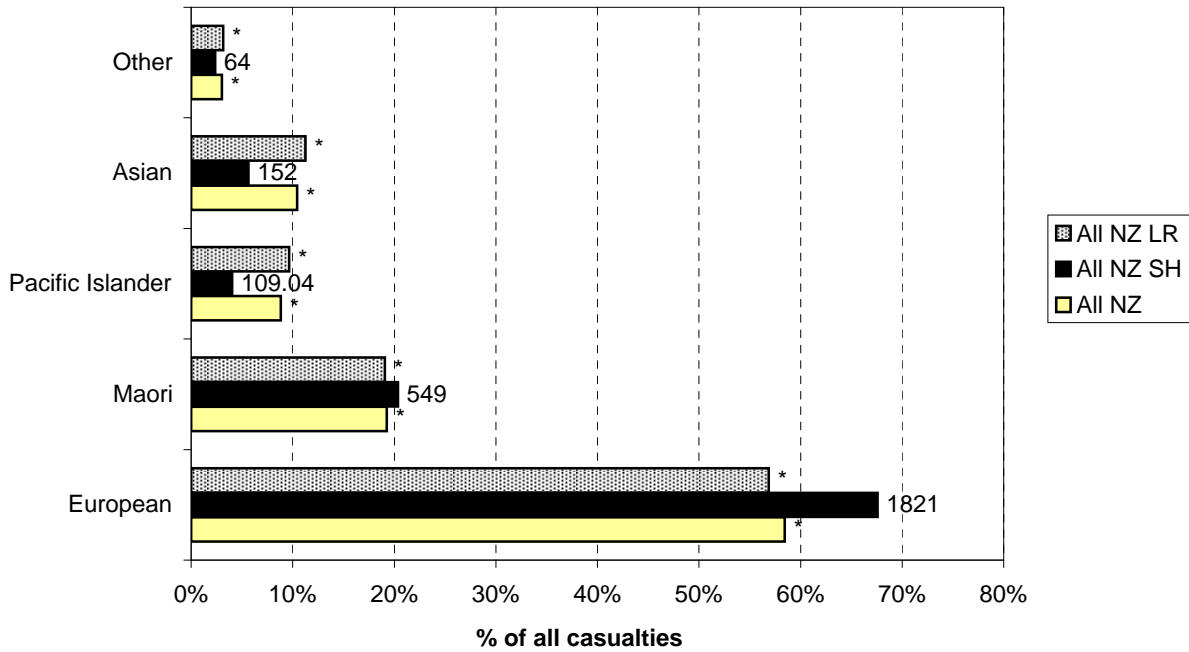
**Figure 3.23 Pedestrian casualty age  
All NZ state highways (2005-2009)**



**Figure 3.24 Cyclist casualty age  
All NZ state highways (2005-2009)**

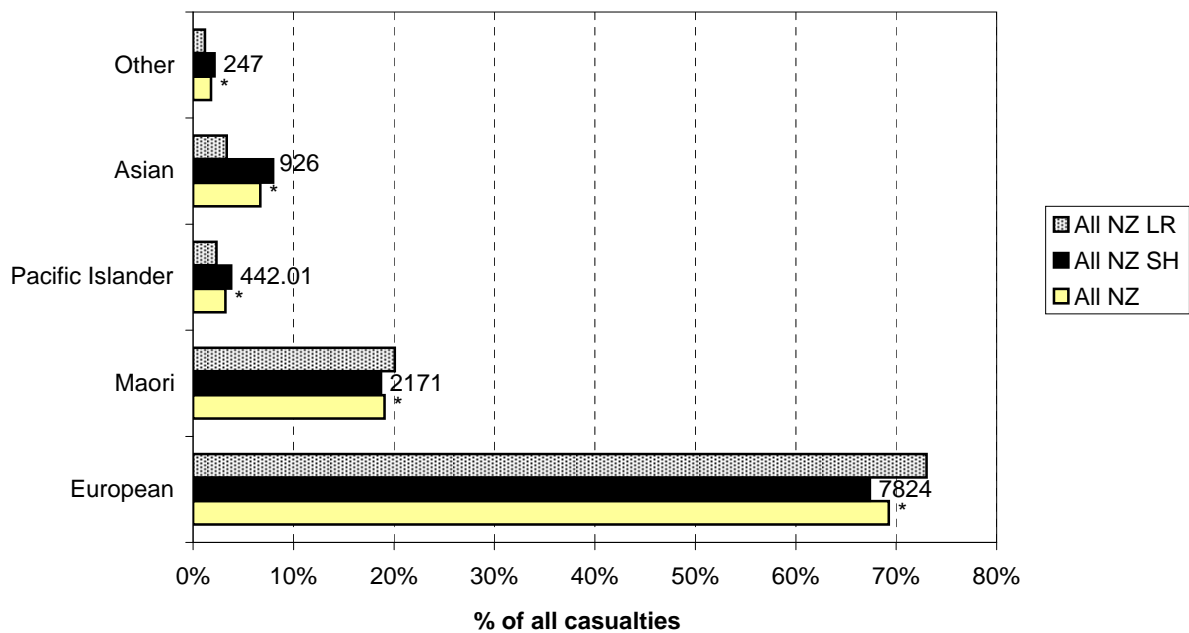


**Figure 3.25 Casualty ethnicity - urban  
All NZ state highways (2005-2009)**



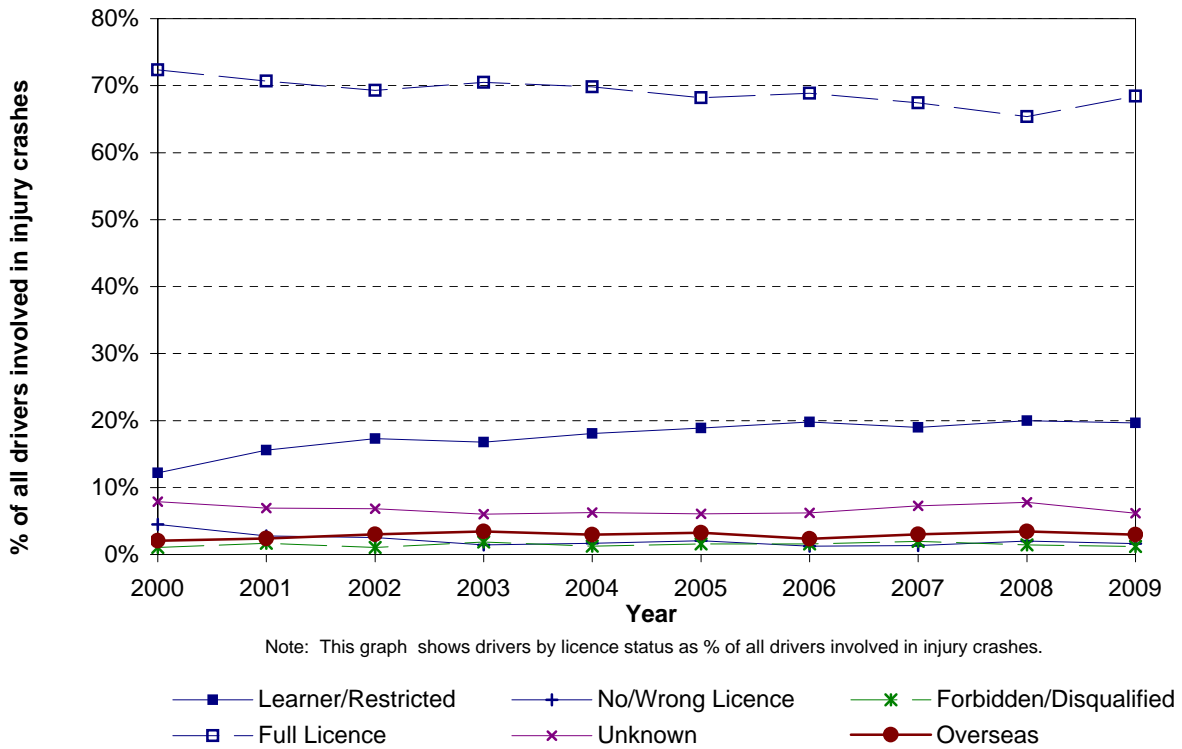
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 3.26 Casualty ethnicity - rural  
All NZ state highways (2005-2009)**

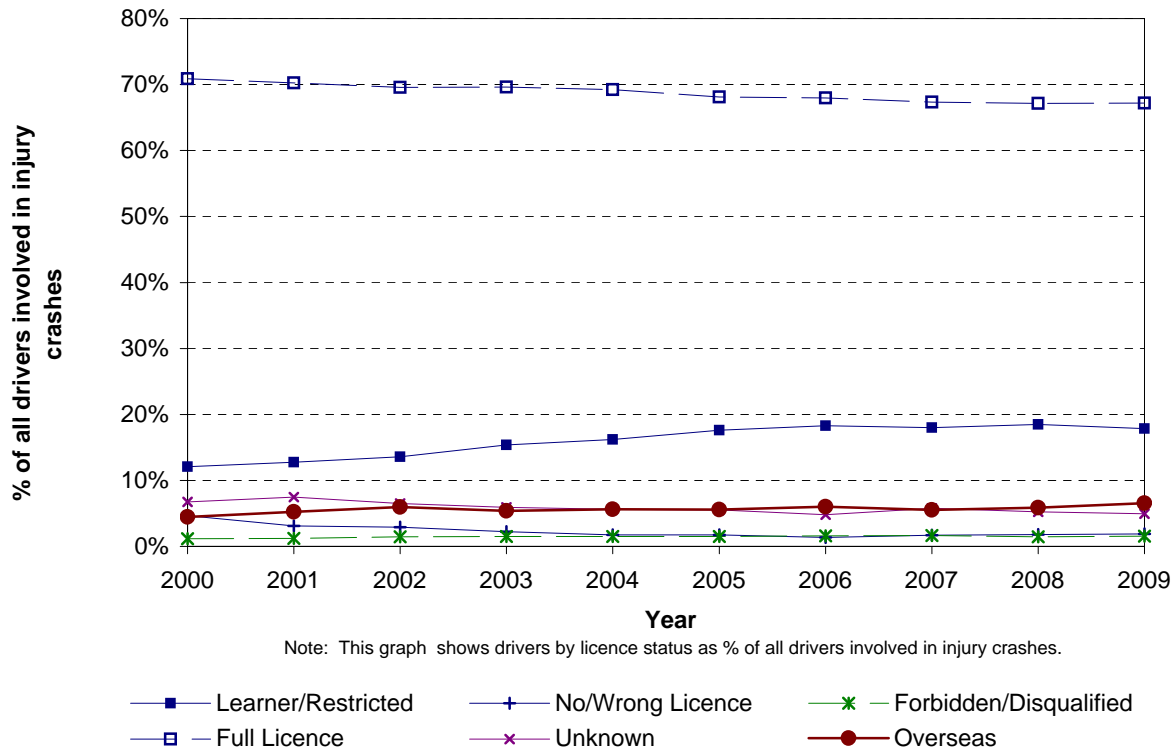


Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 3.27 Licence status - urban  
All NZ state highways**



**Figure 3.28 Licence status - rural  
All NZ state highways**

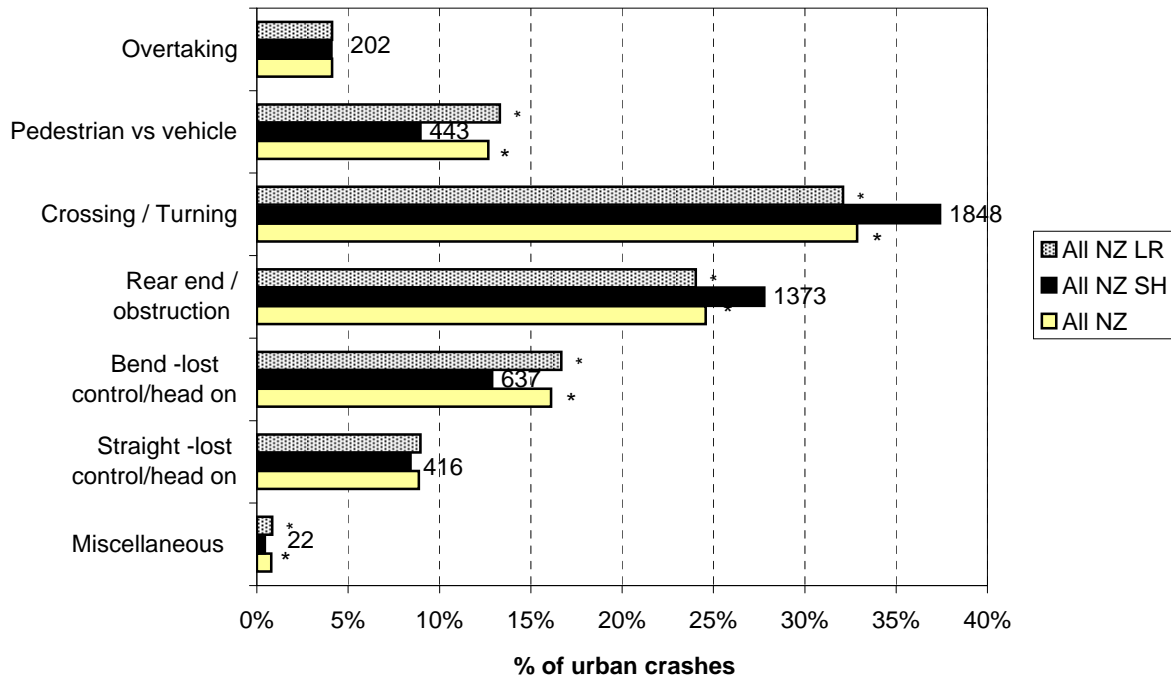




# *Crash Type Statistics*

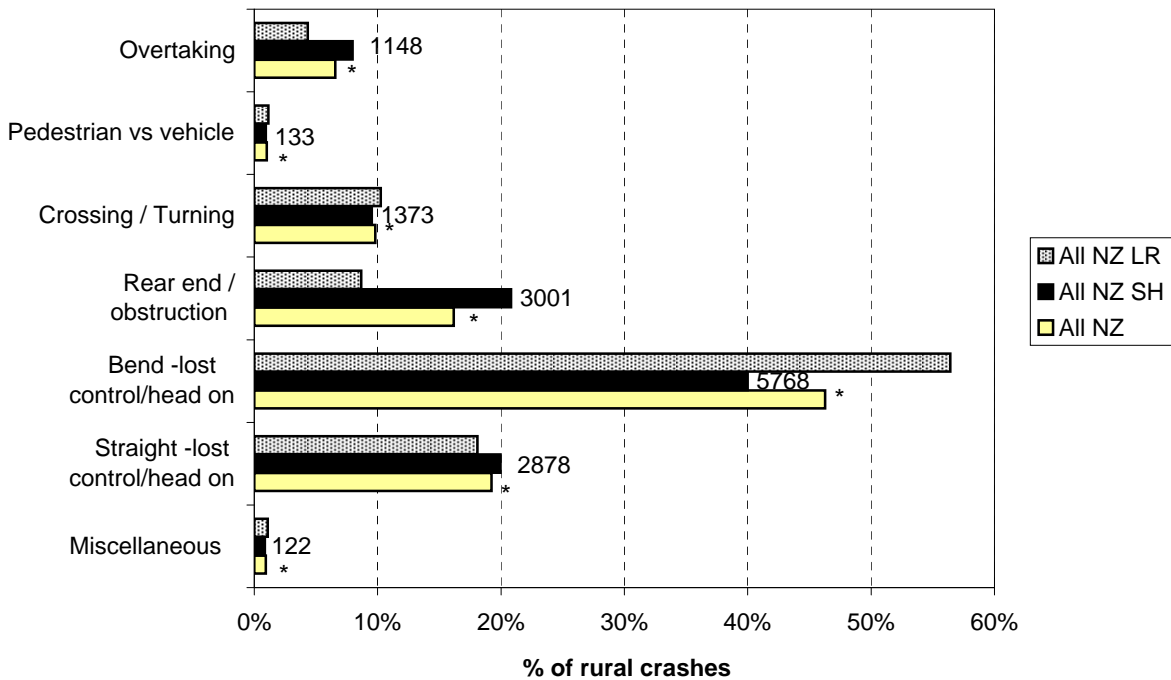


**Figure 4.1 Crash movement type - urban**  
All NZ state highways (2005-2009)



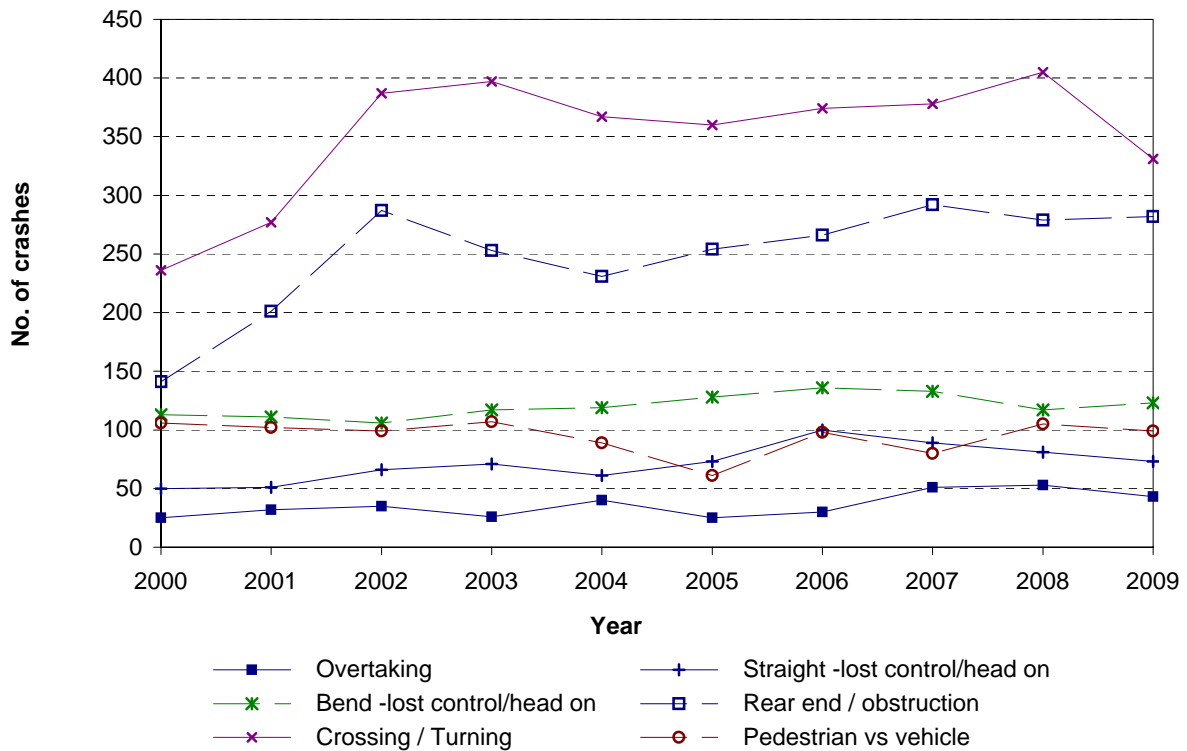
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 4.2 Crash movement type - rural**  
All NZ state highways (2005-2009)

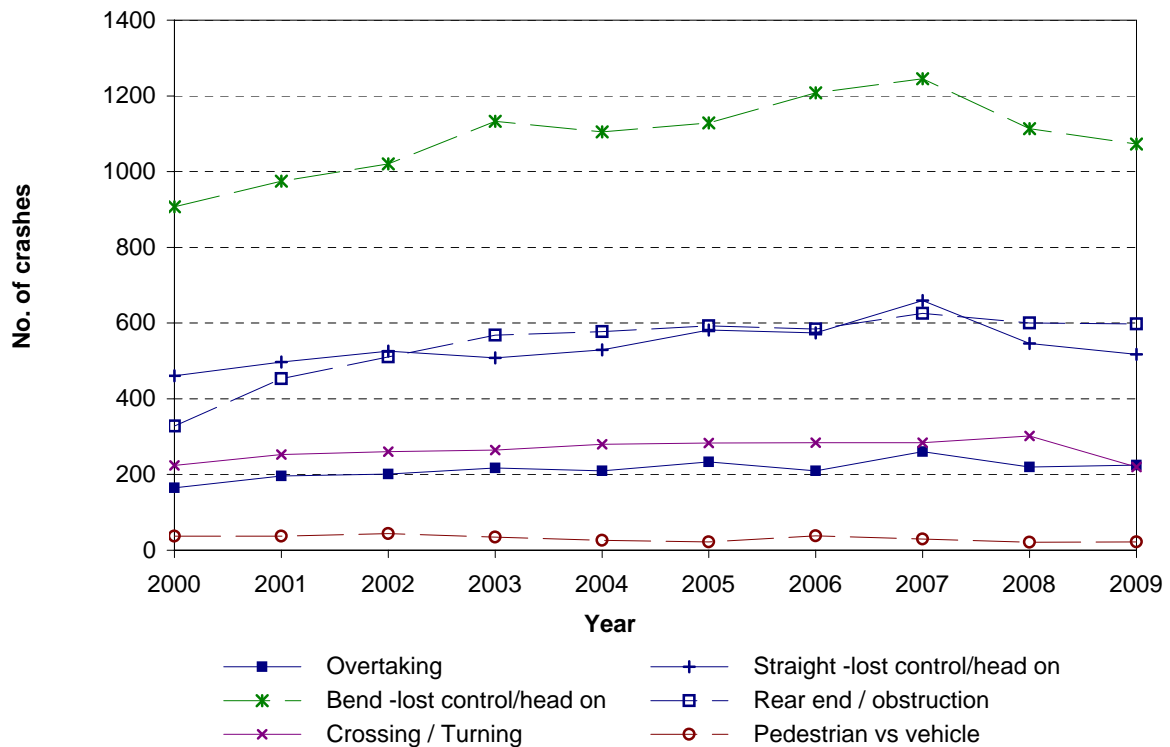


Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

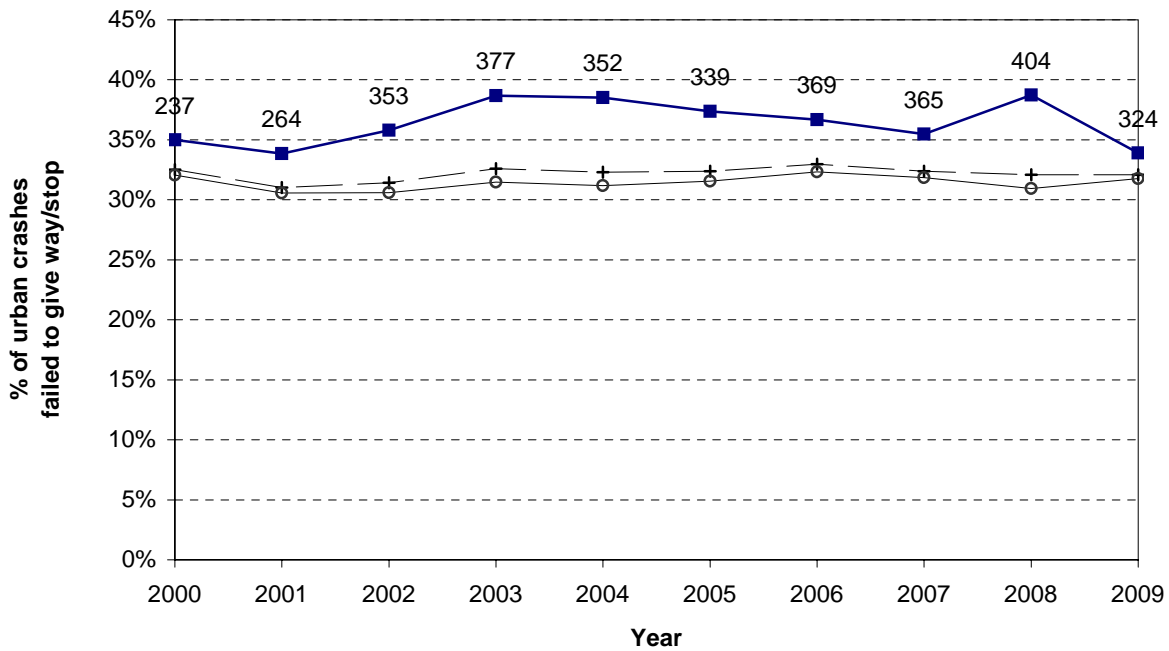
**Figure 4.3 Crash movement type - trends**  
All NZ - urban state highways



**Figure 4.4 Crash movement type - trends**  
All NZ - rural state highways



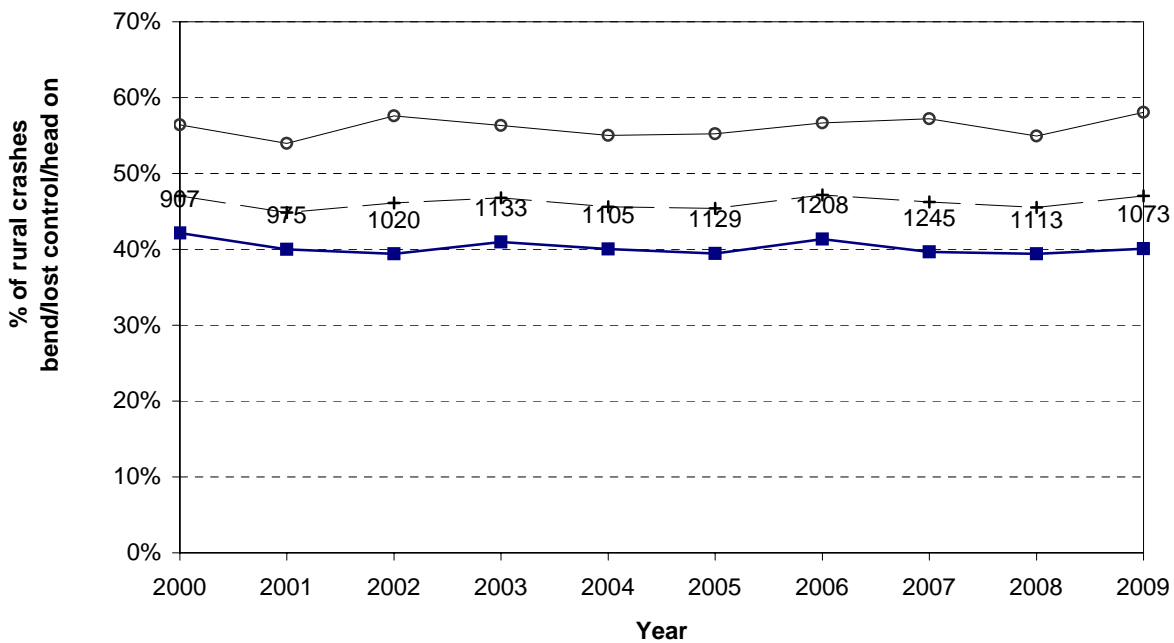
**Figure 4.5 Failed to give way / stop**  
All NZ - urban state highways



Note: While the graph plots percentages, the number of crashes is shown against the data points.

+ All NZ ■ All NZ SH ○ All NZ LR

**Figure 4.6 Bend - lost control / head - on**  
All NZ - rural state highways



Note: While the graph plots percentages, the number of crashes is shown against the data points.

+ All NZ ■ All NZ SH ○ All NZ LR

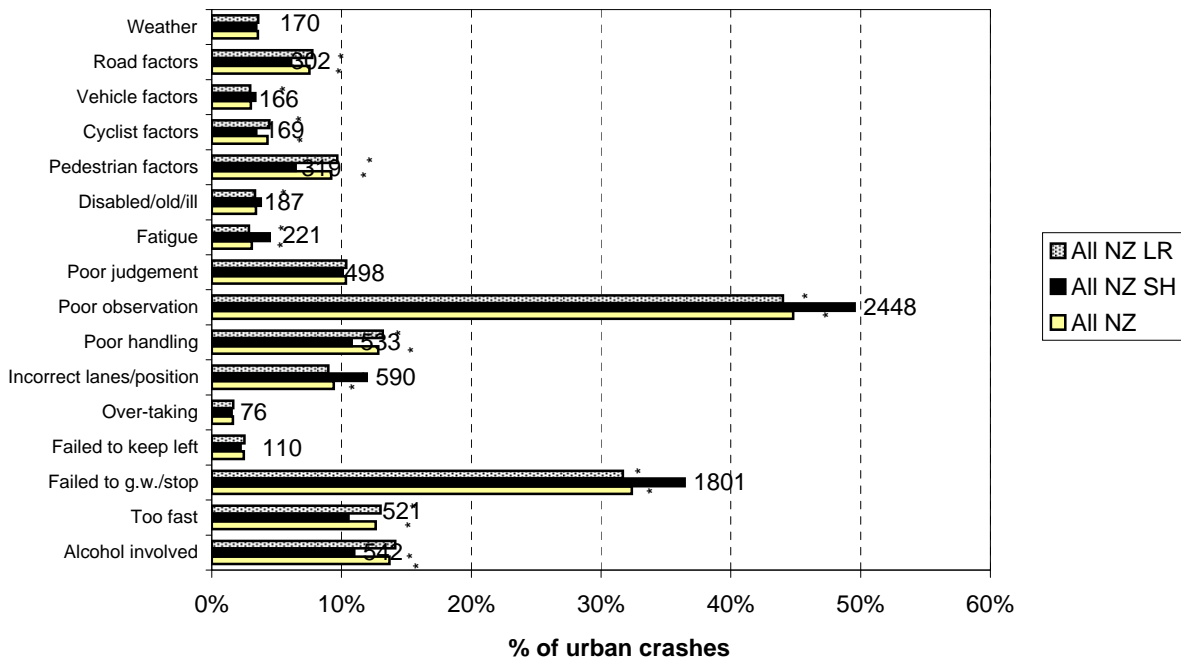


# *Crash Factor Statistics*



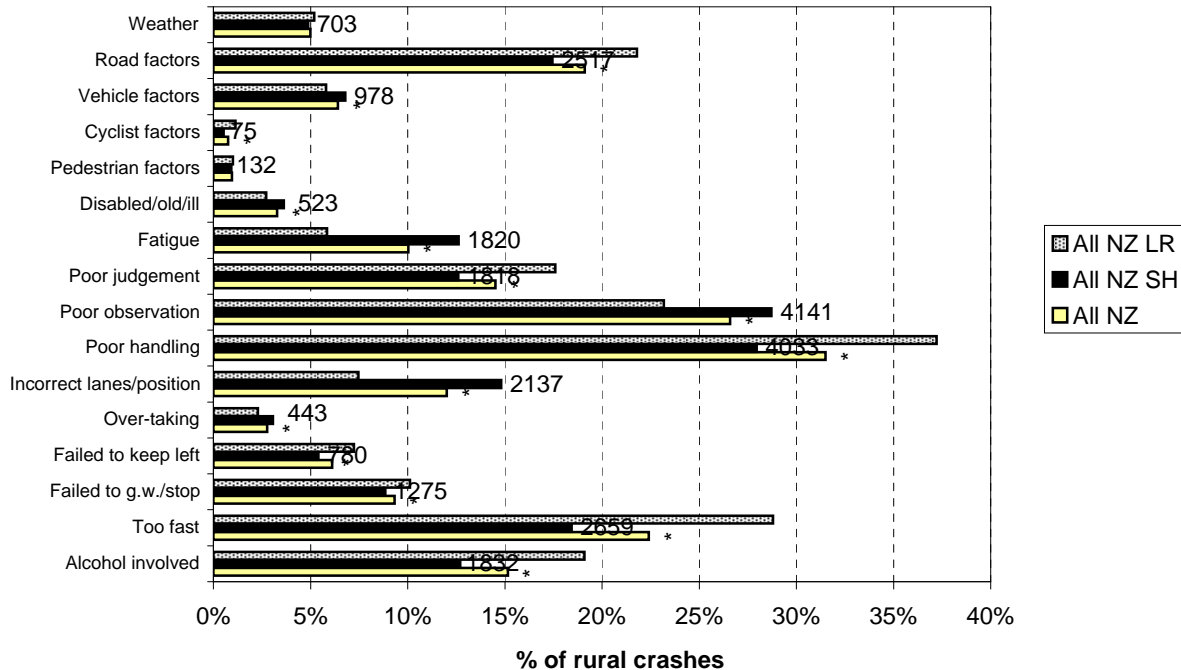


**Figure 5.1 Contributing factors - urban  
All NZ state highways (2005-2009)**



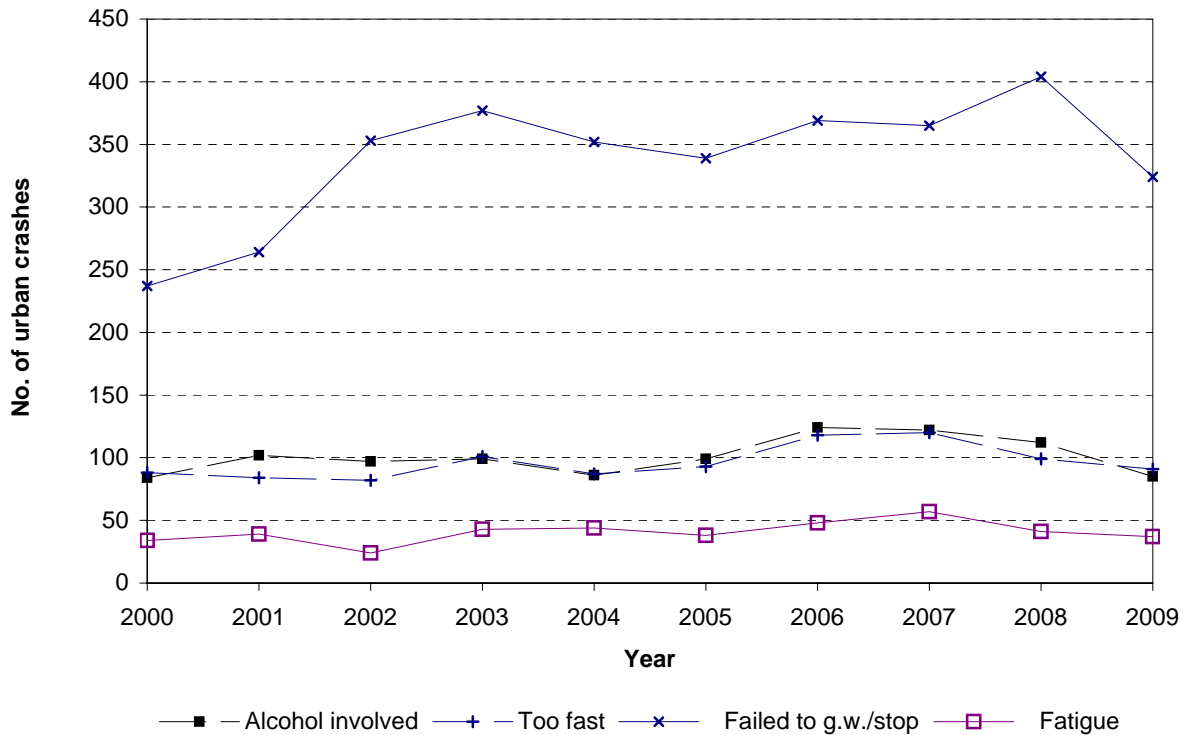
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 5.2 Contributing factors - rural  
All NZ state highways (2005-2009)**

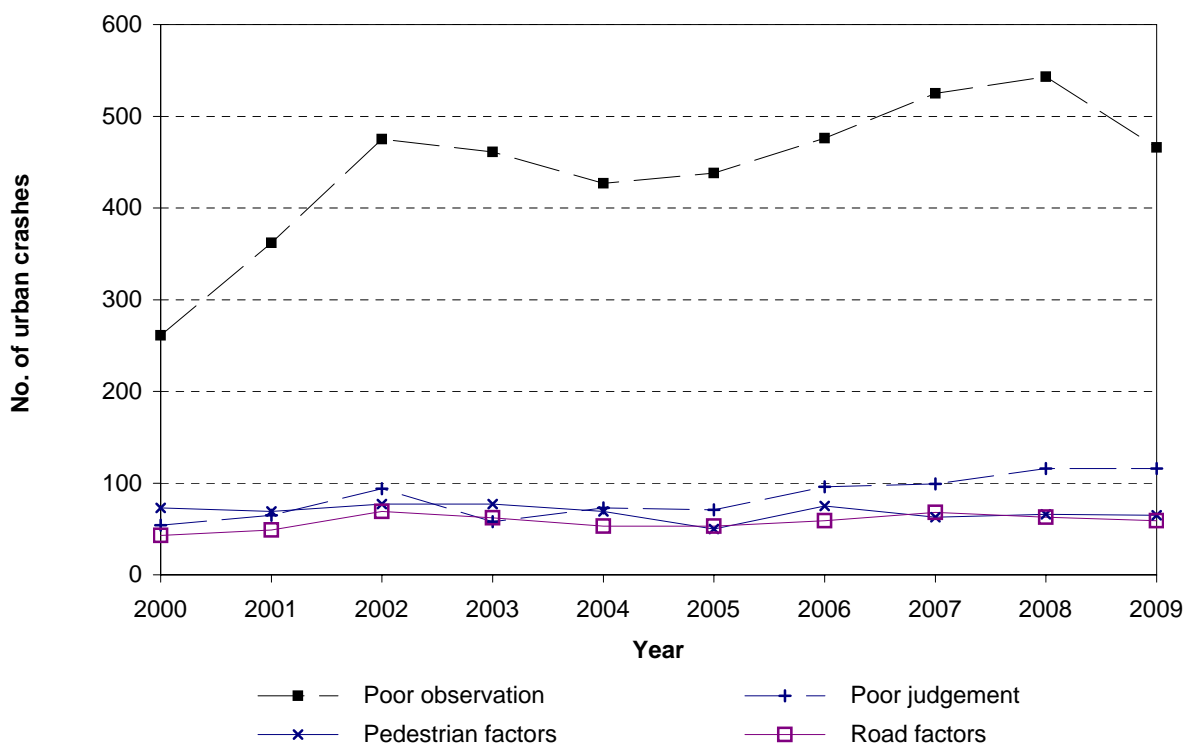


Note: While the graph plots percentages, the number of casualties is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

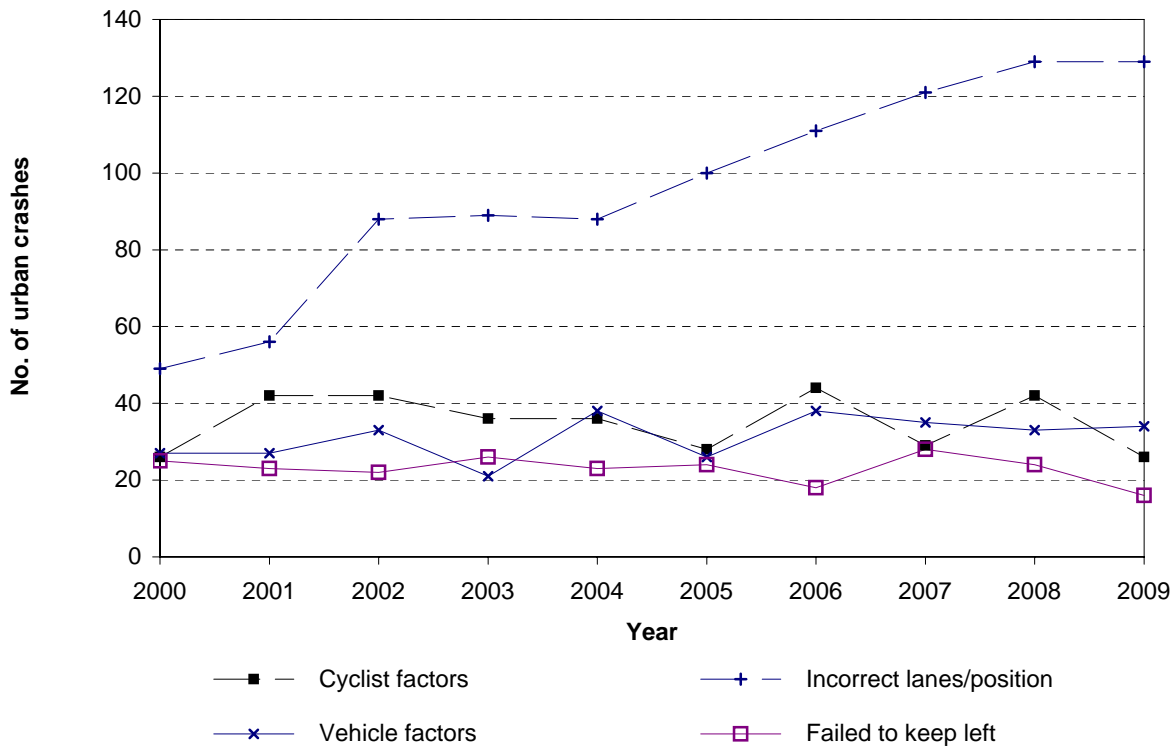
**Figure 5.3 Contributing factor trends  
All NZ - urban state highways**



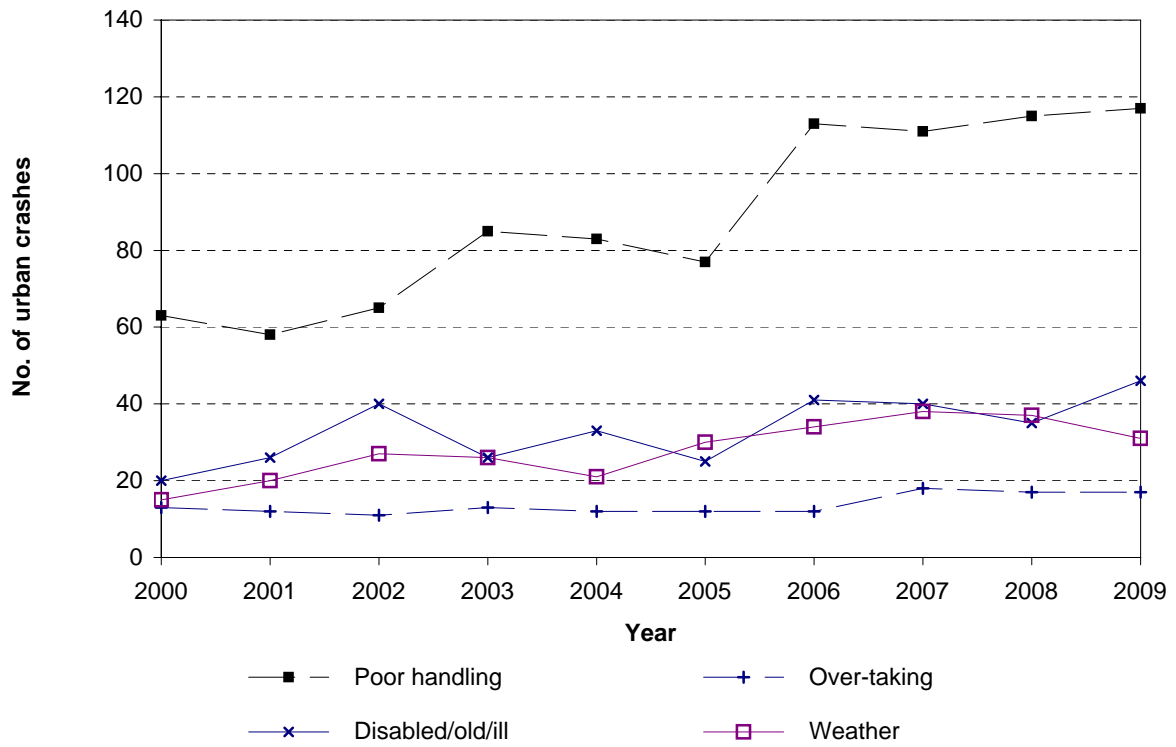
**Figure 5.4 Contributing factor trends  
All NZ - urban state highways**



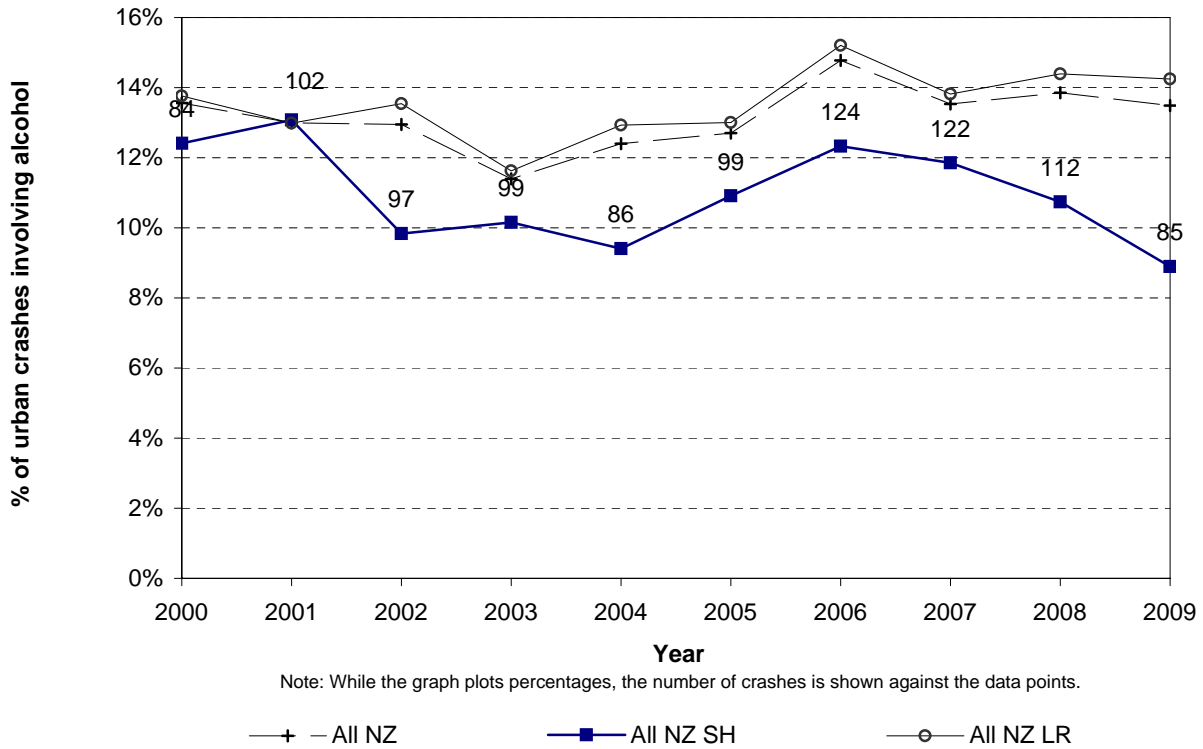
**Figure 5.5 Contributing factor trends  
All NZ - urban state highways**



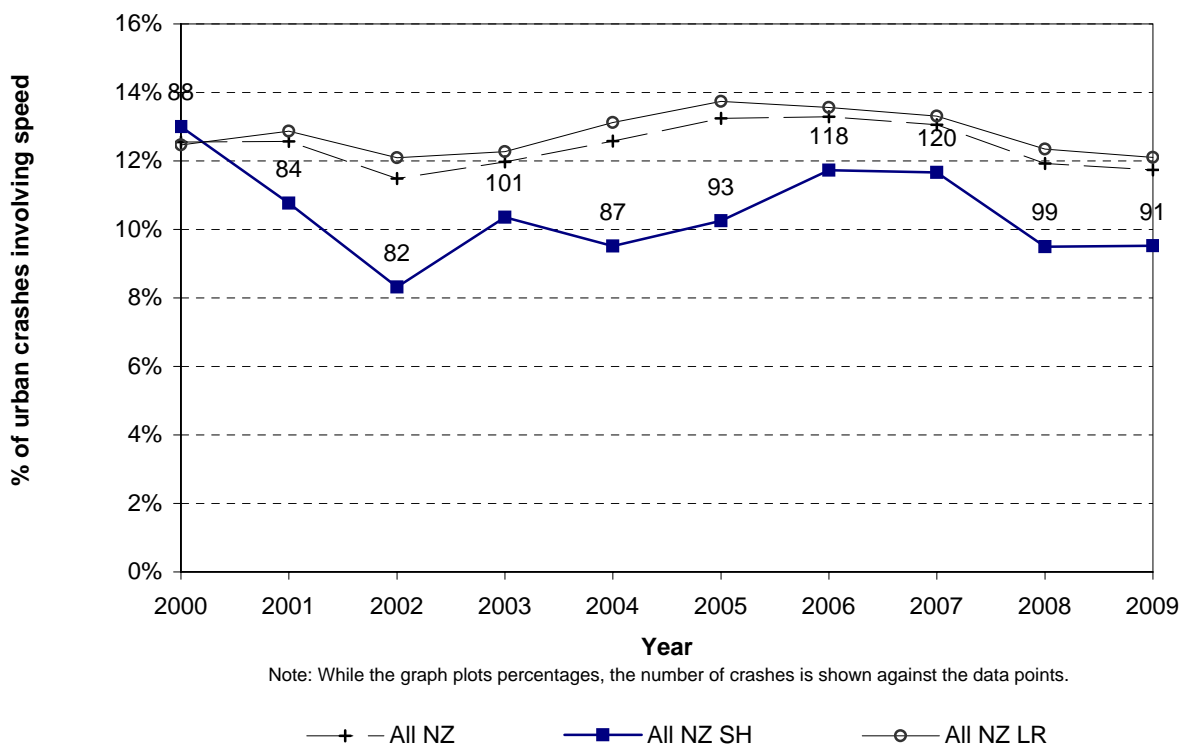
**Figure 5.6 Contributing factor trends  
All NZ - urban state highways**



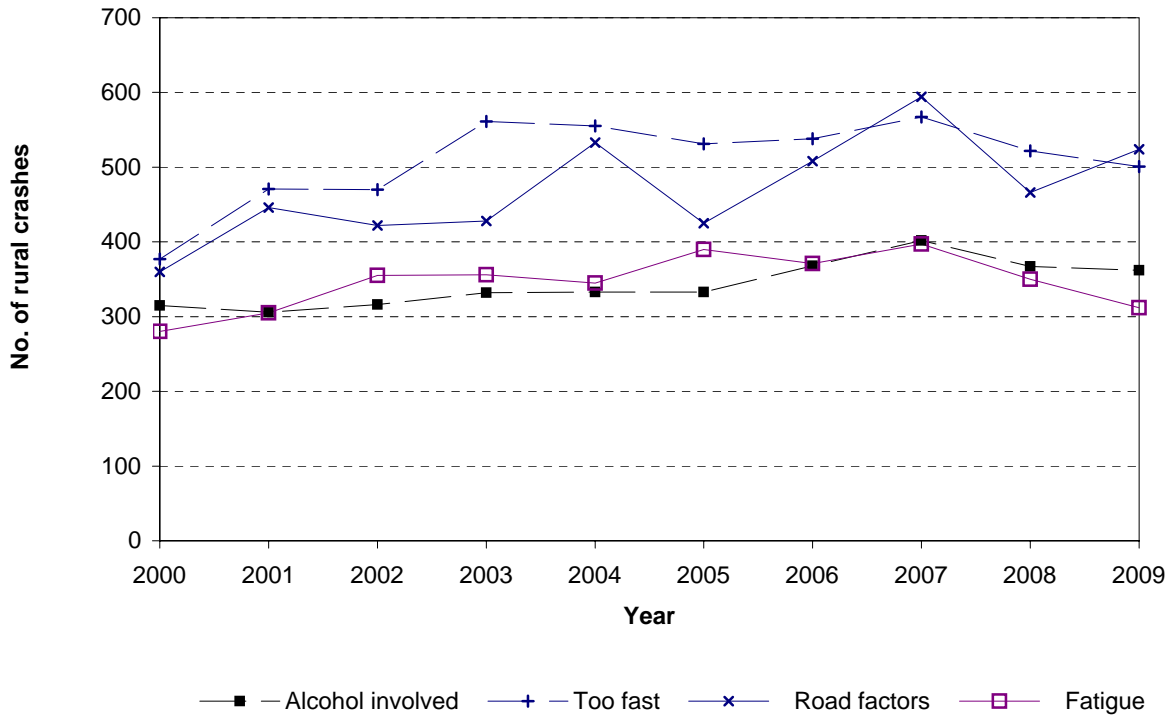
**Figure 5.7 Alcohol involved trend**  
All NZ - urban state highways



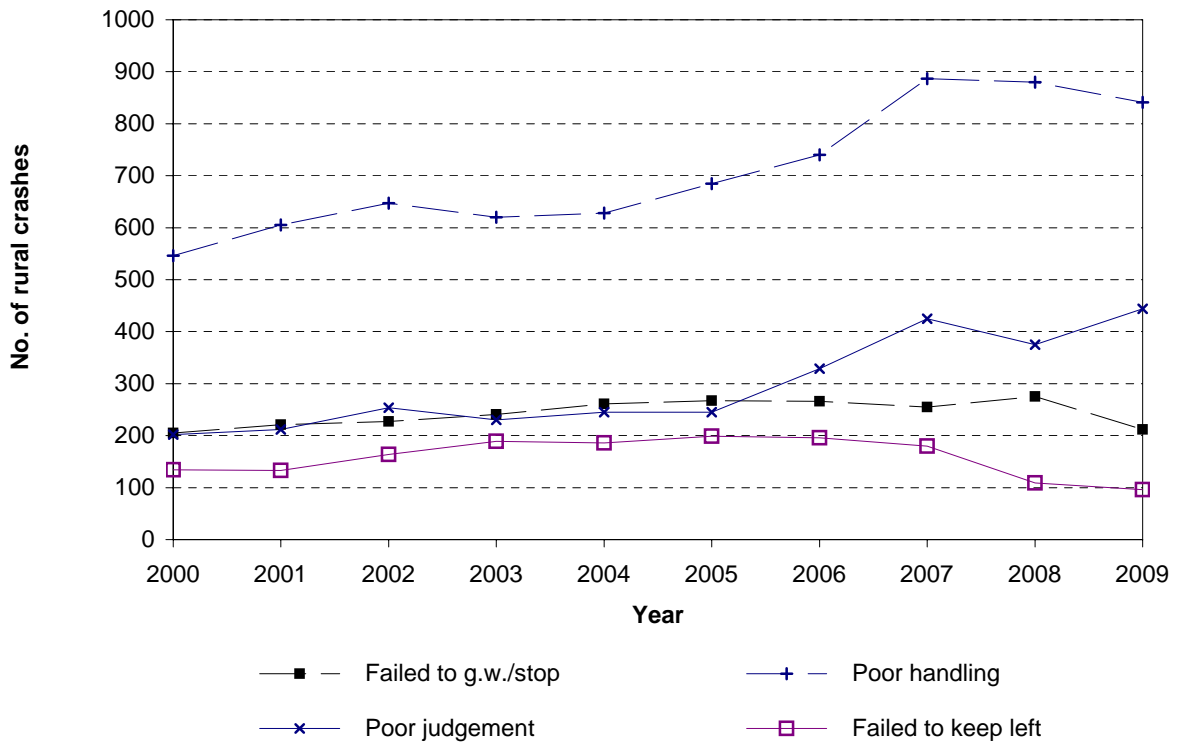
**Figure 5.8 Speed involved trend**  
All NZ - urban state highways



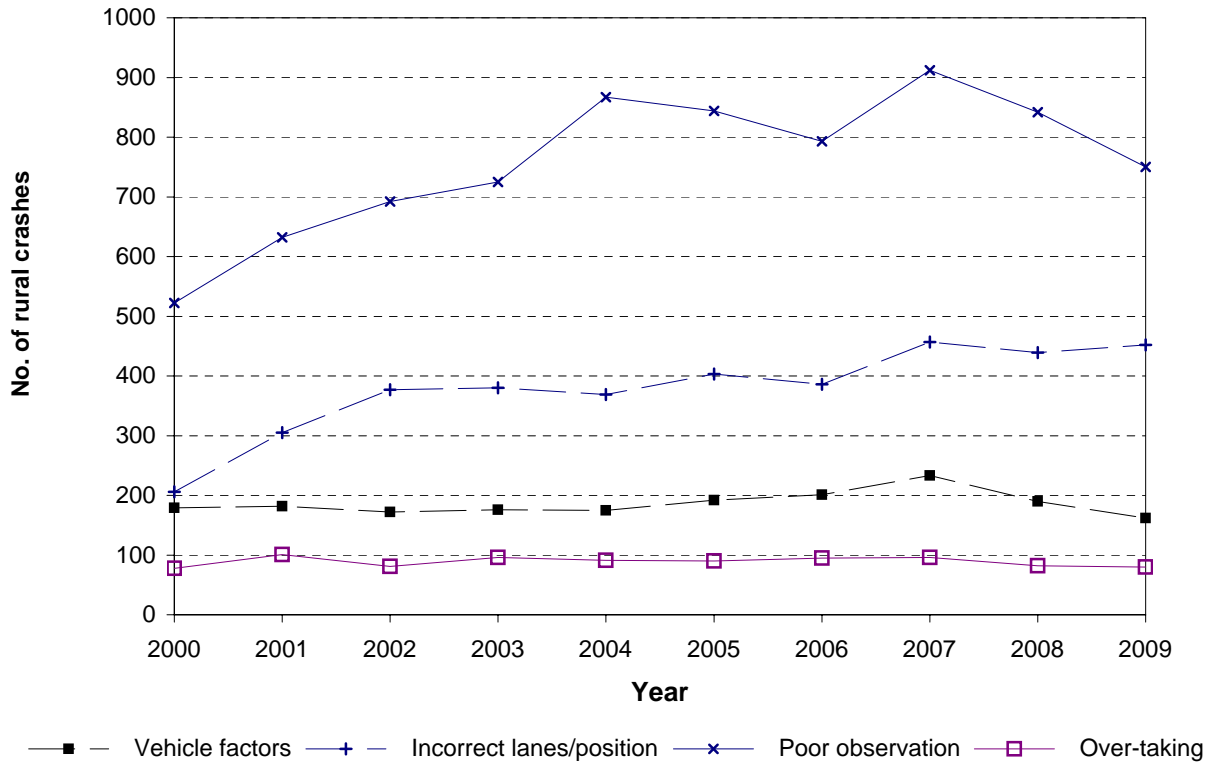
**Figure 5.9 Contributing factor trends  
All NZ - rural state highways**



**Figure 5.10 Contributing factor trends  
All NZ - rural state highways**



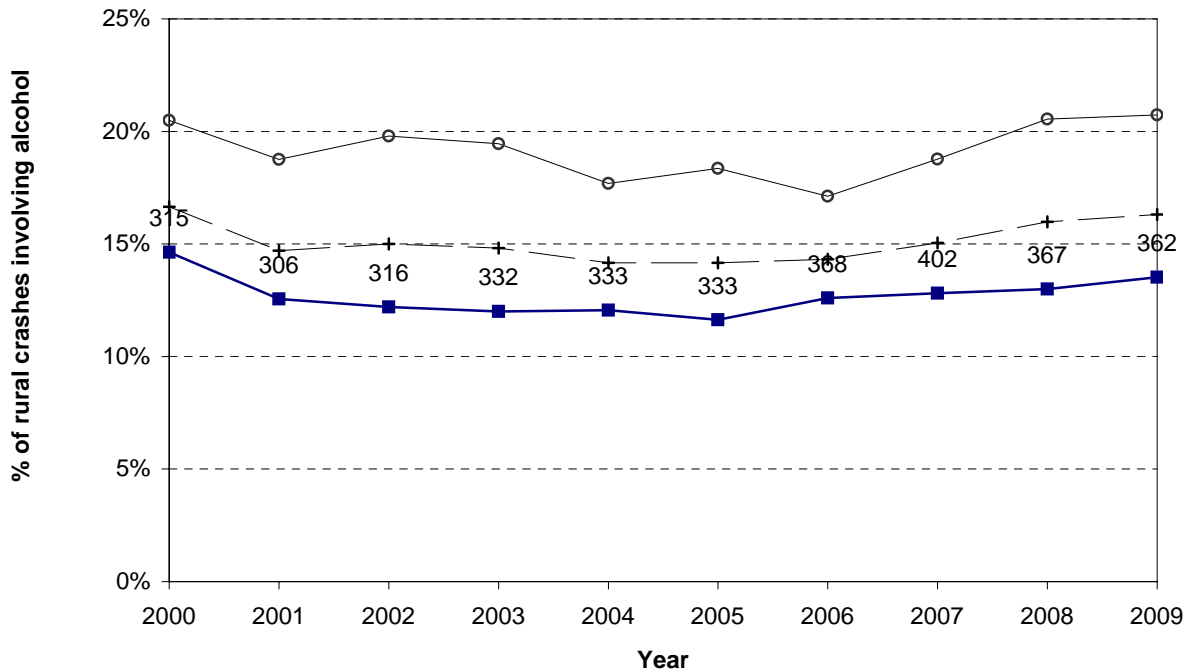
**Figure 5.11 Contributing factor trends  
All NZ - rural state highways**



**Figure 5.12 Contributing factor trends  
All NZ - rural state highways**



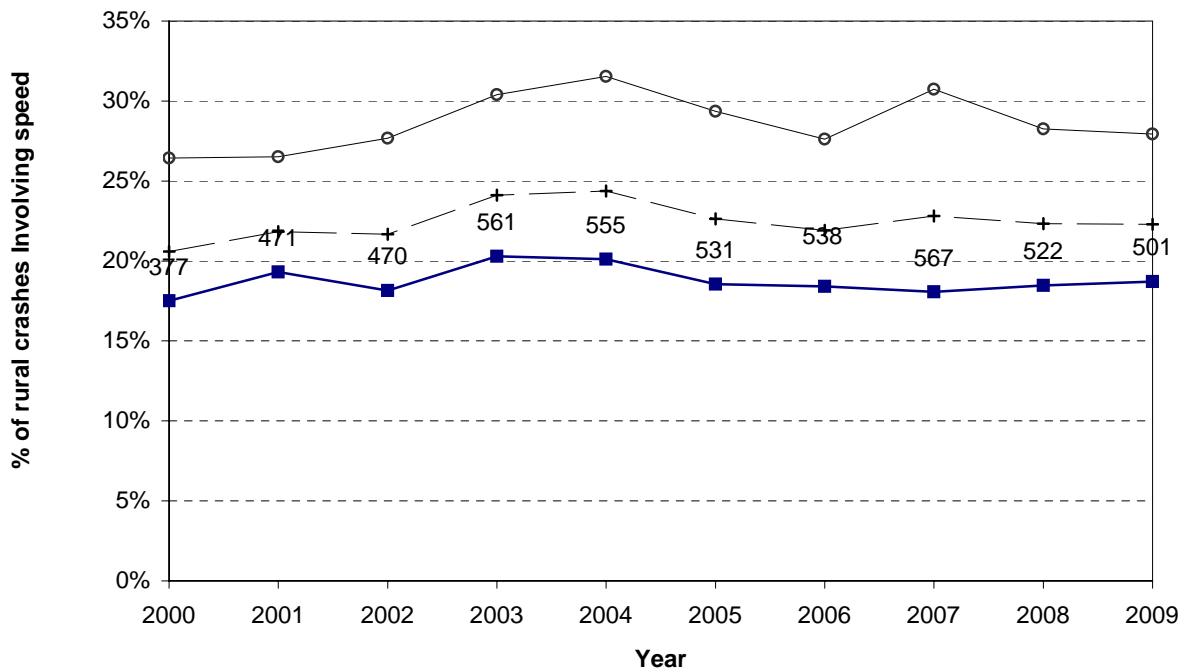
**Figure 5.13 Alcohol involved trend**  
All NZ - rural state highways



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 5.14 Speed involved trend**  
All NZ - rural state highways



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

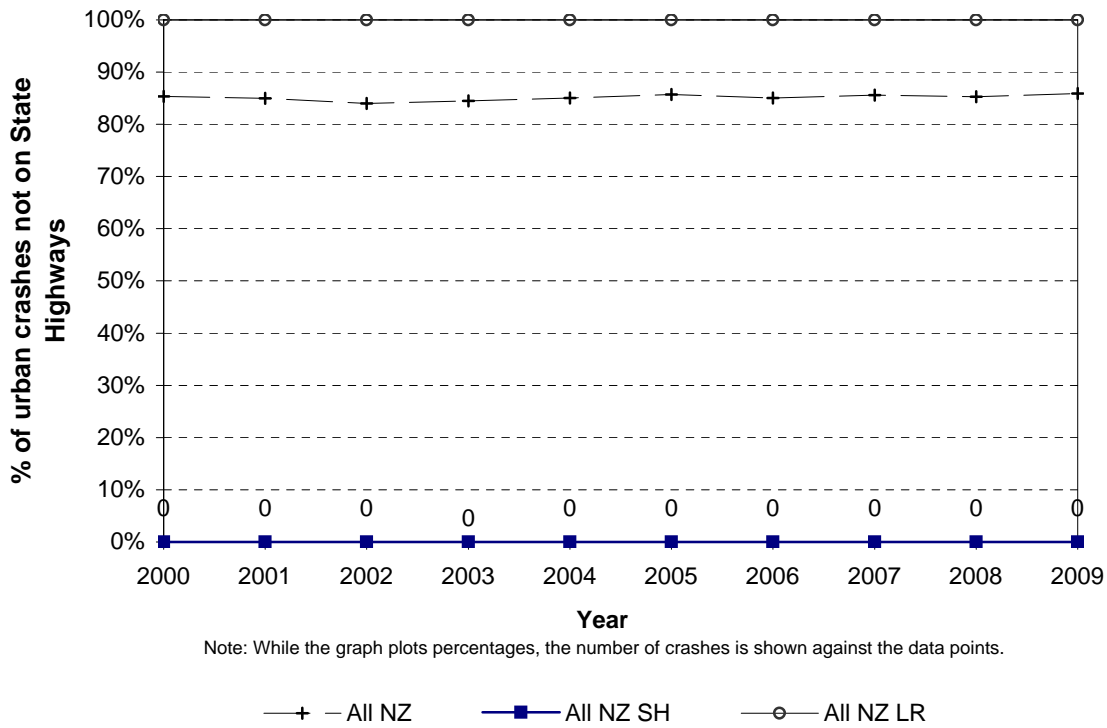




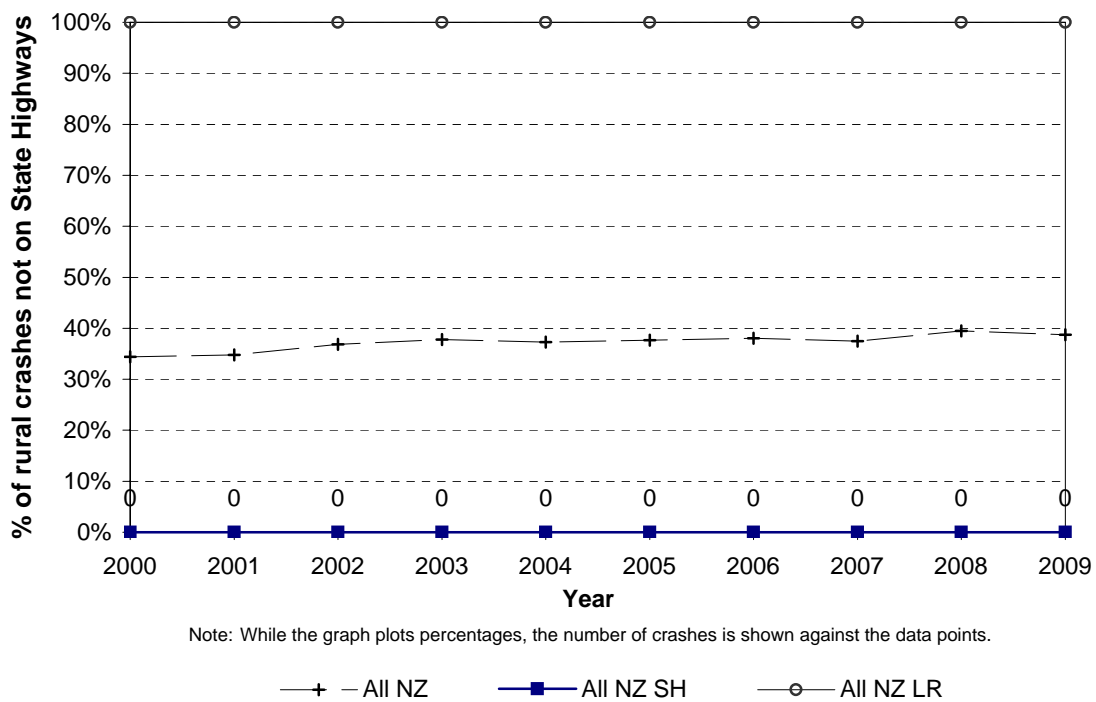
# *Environmental Statistics*



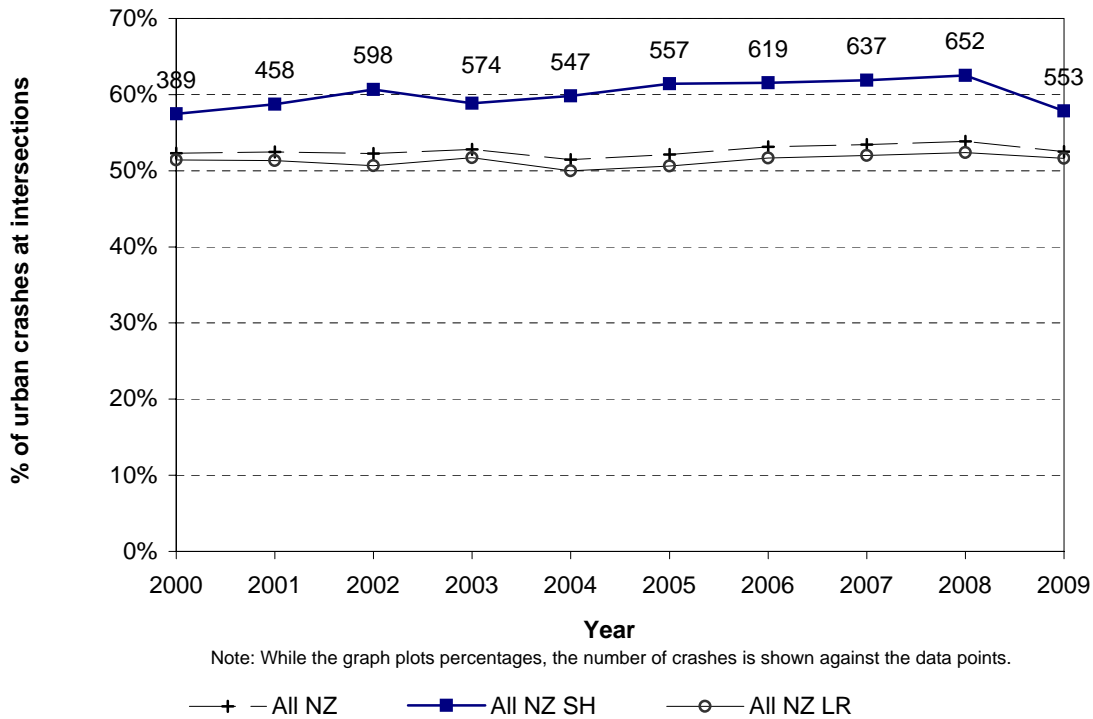
**Figure 6.1 Crashes not on state highways  
All NZ - urban state highways**



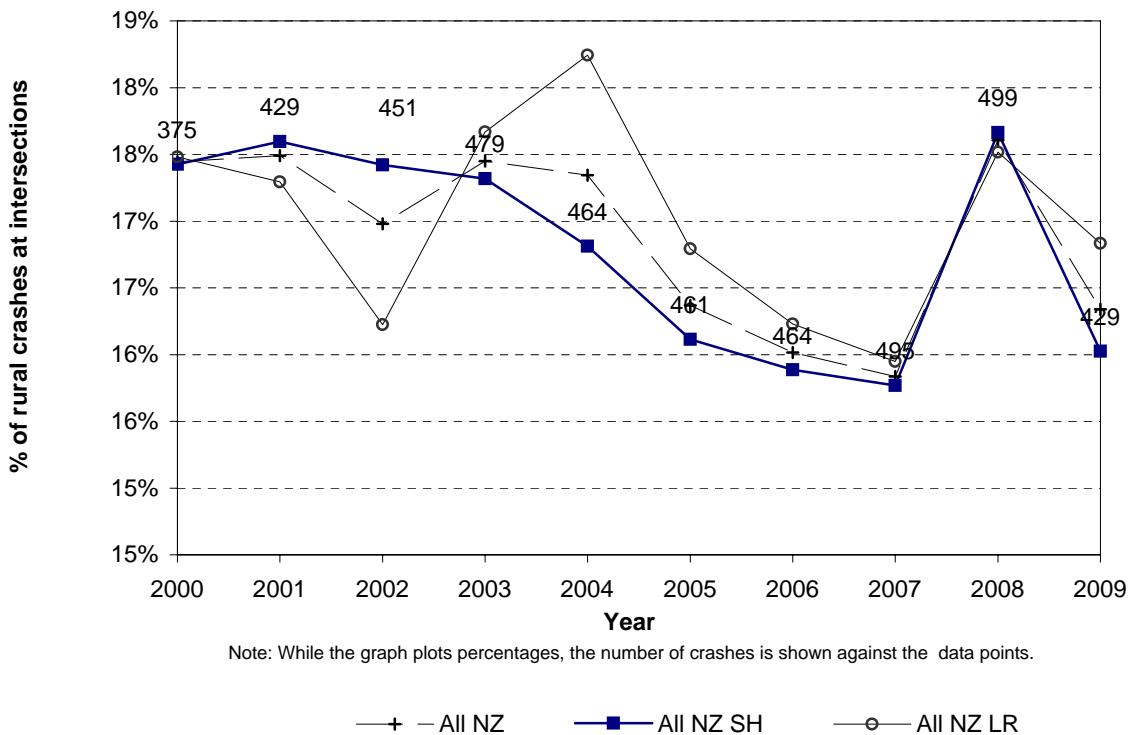
**Figure 6.2 Crashes not on state highways  
All NZ - rural state highways**



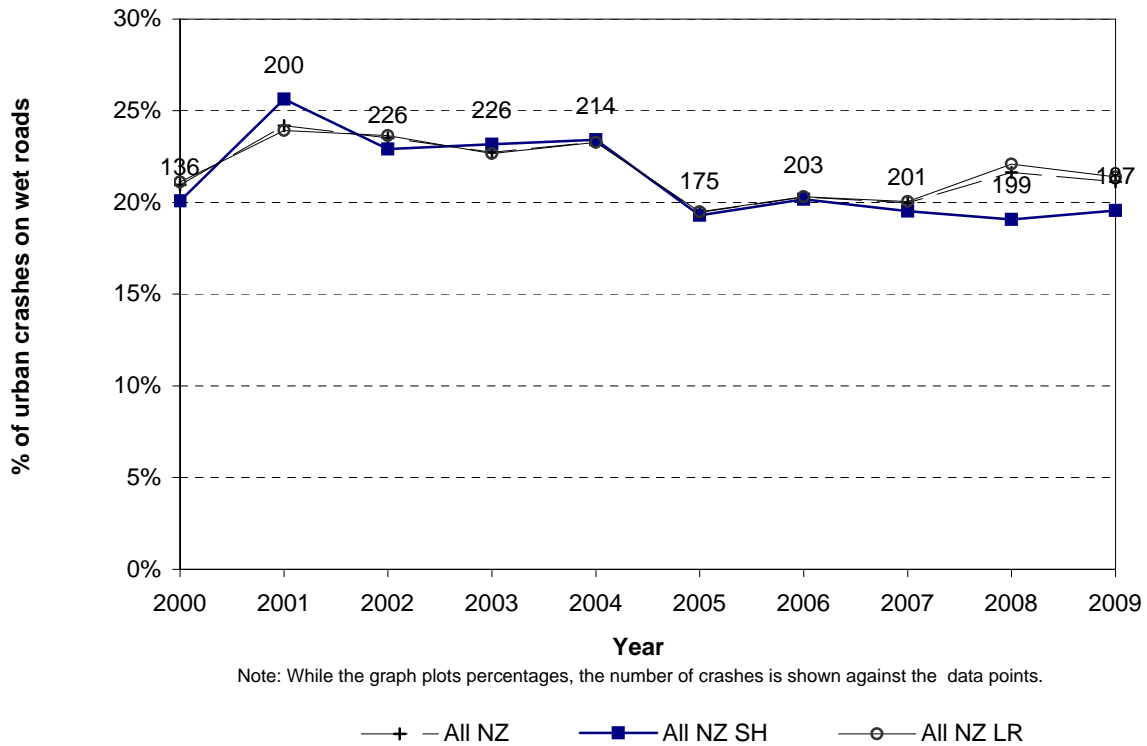
**Figure 6.3 Intersection crashes  
All NZ - urban state highways**



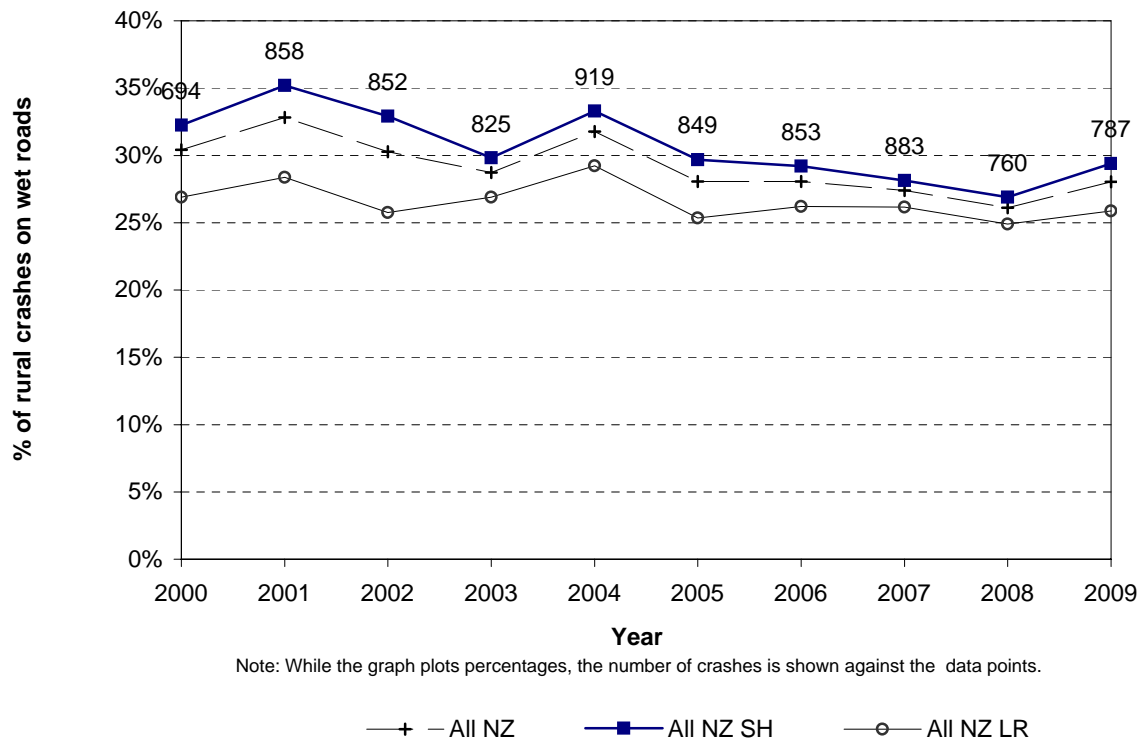
**Figure 6.4 Intersection crashes  
All NZ - rural state highways**



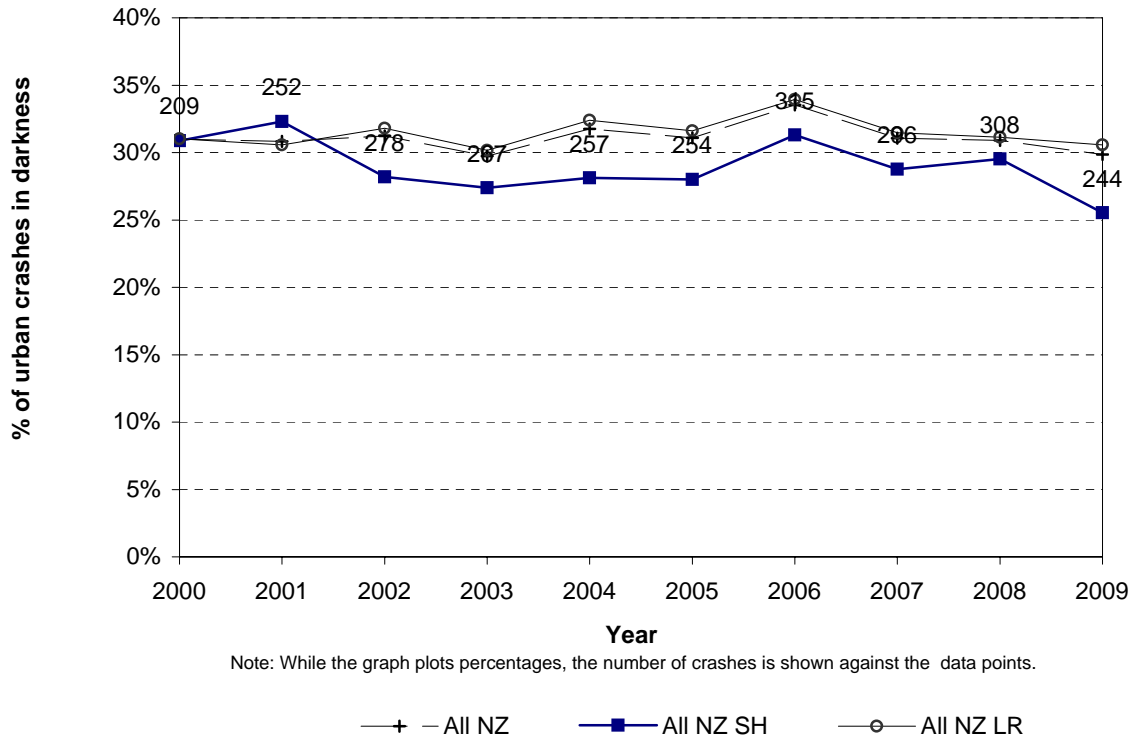
**Figure 6.5 Wet road crashes**  
All NZ - urban state highways



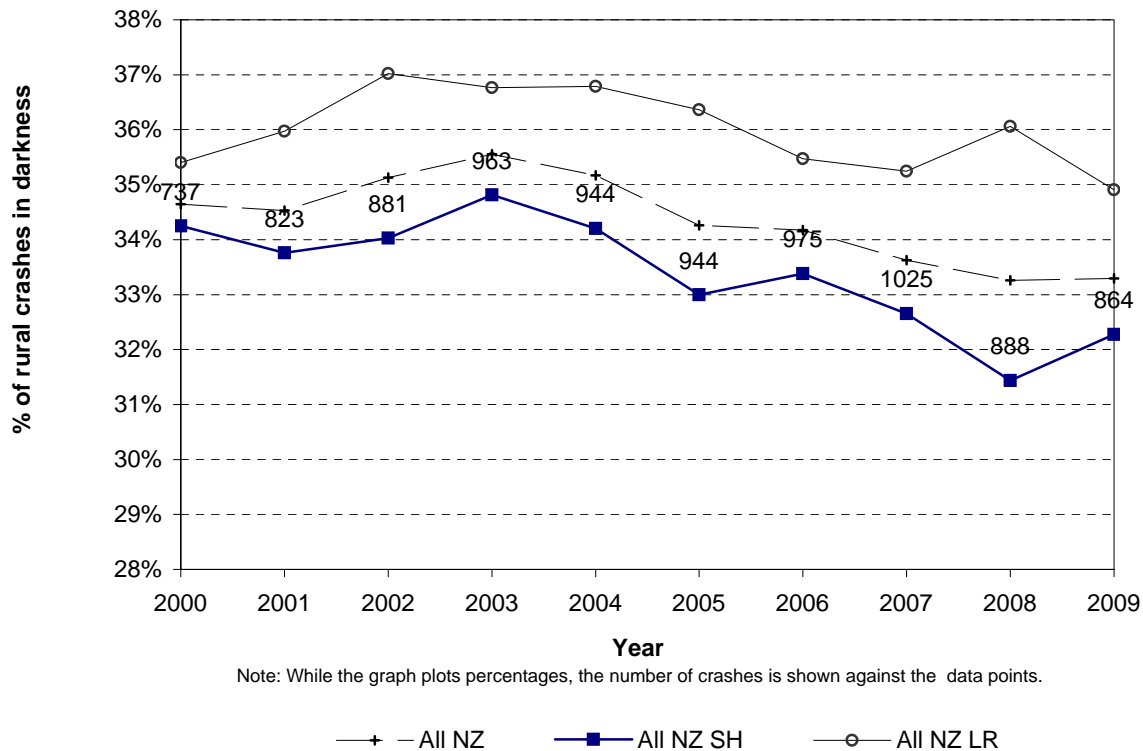
**Figure 6.6 Wet road crashes**  
All NZ - rural state highways



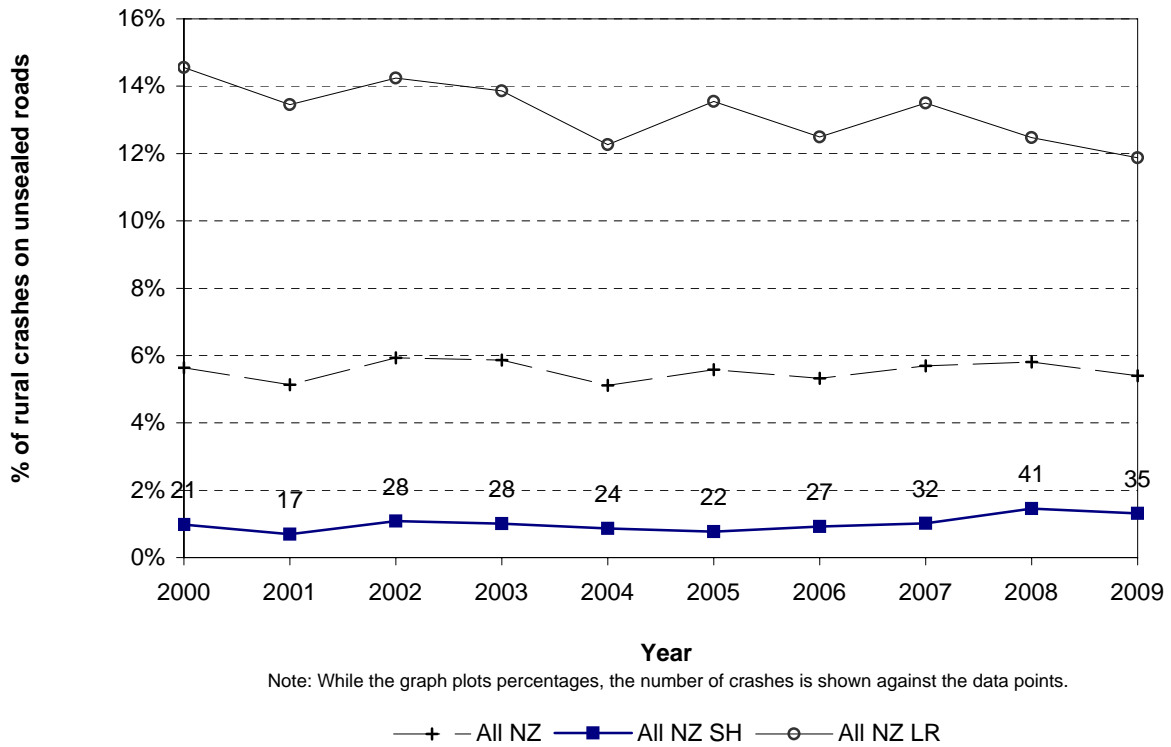
**Figure 6.7 Crashes in darkness  
All NZ - urban state highways**



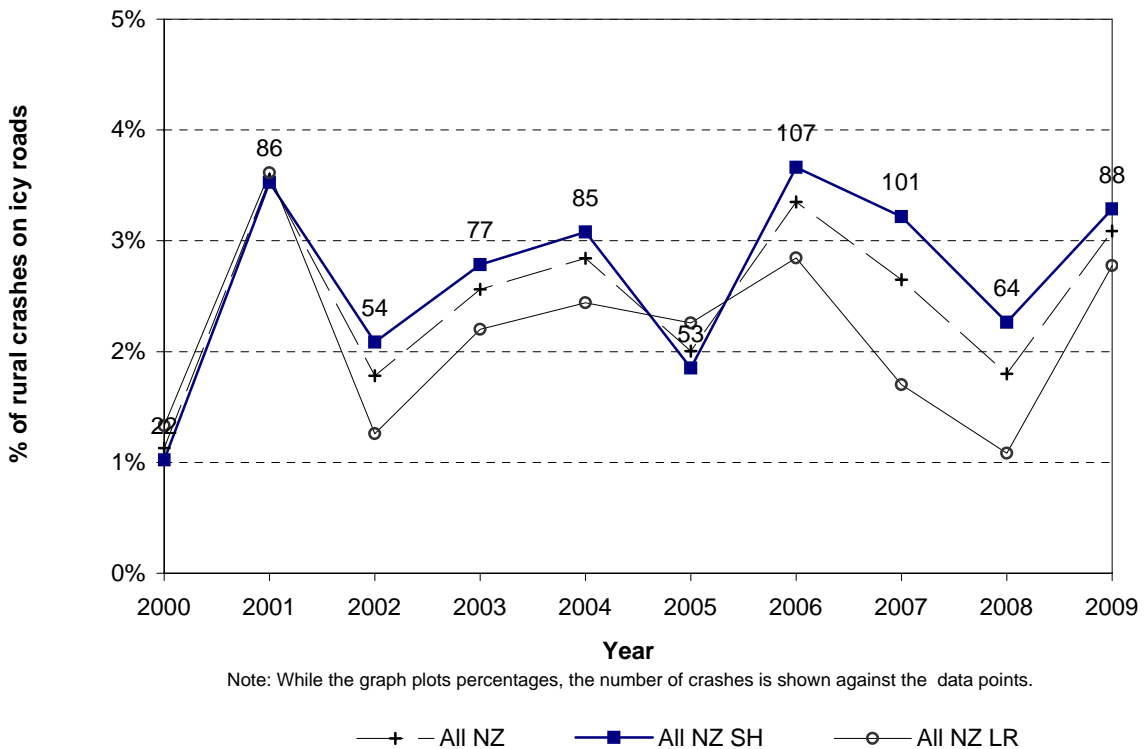
**Figure 6.8 Crashes in darkness  
All NZ - rural state highways**



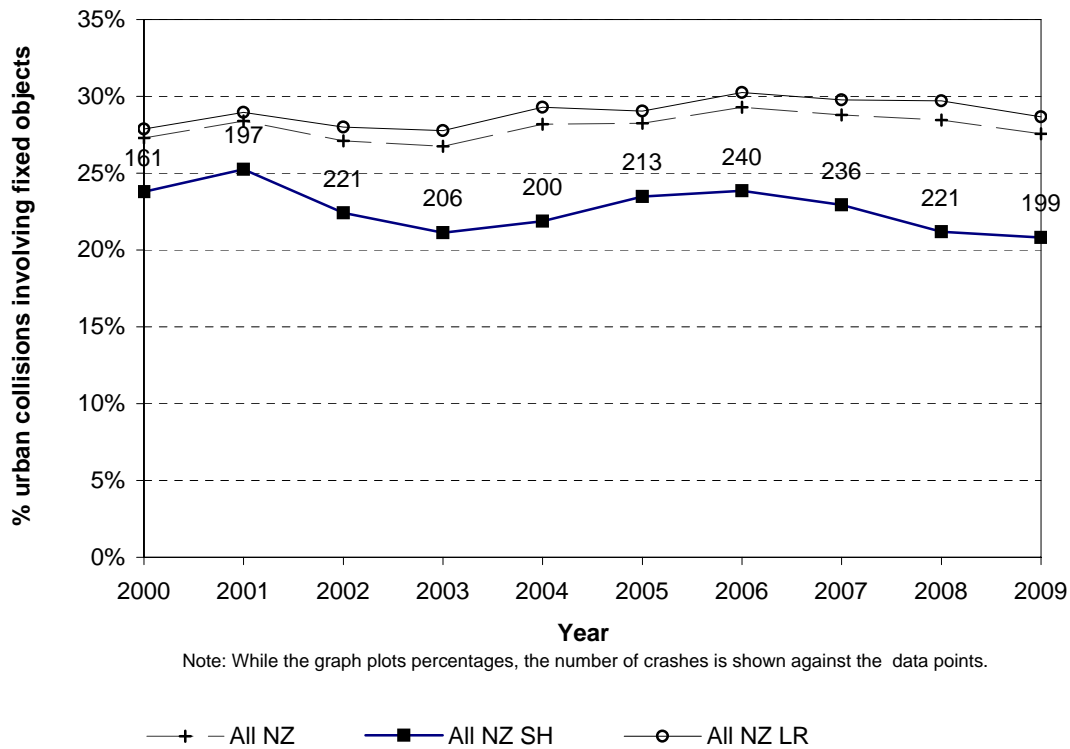
**Figure 6.9 Unsealed road crashes**  
All NZ - rural state highways



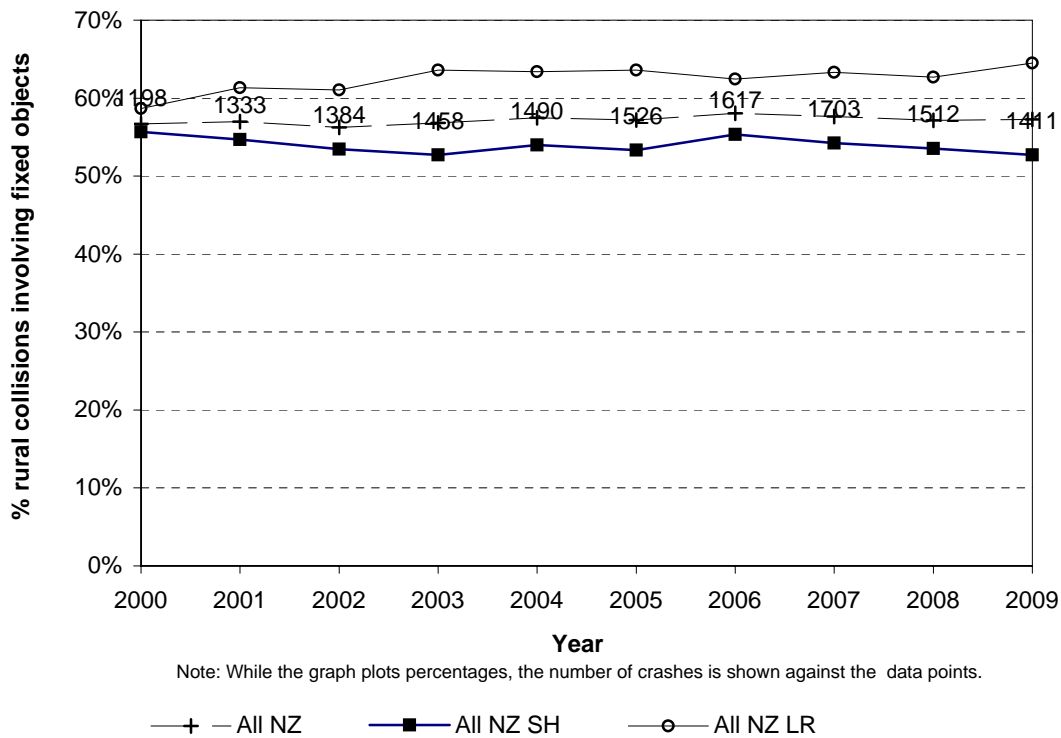
**Figure 6.10 Icy road crashes**  
All NZ - rural state highways



**Figure 6.11 Collisions with objects  
All NZ - urban state highways**

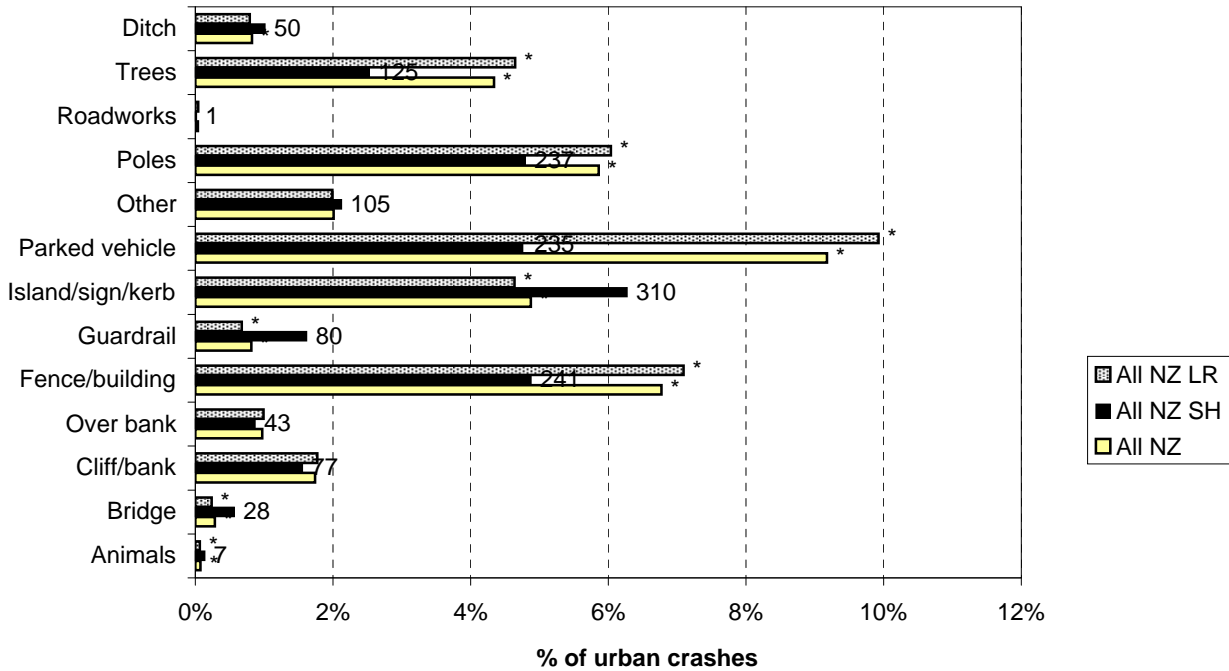


**Figure 6.12 Collisions with objects  
All NZ - rural state highways**



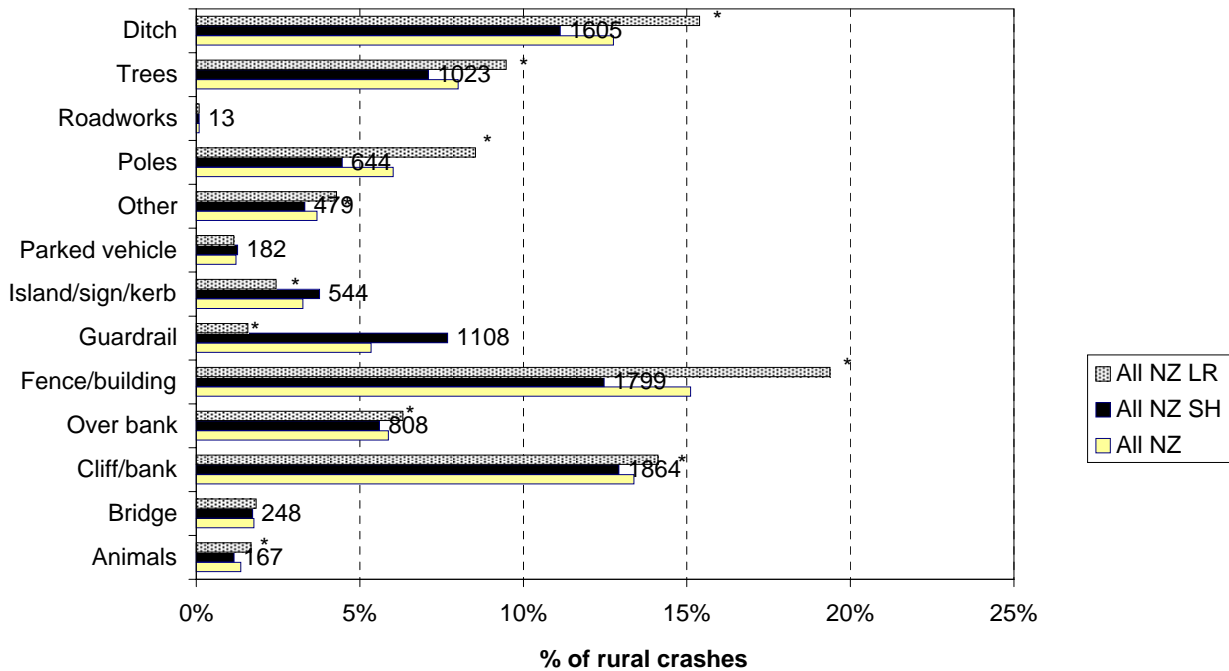


**Figure 6.13 Objects struck - urban  
All NZ state highways (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 6.14 Objects struck - rural  
All NZ state highways (2005-2009)**



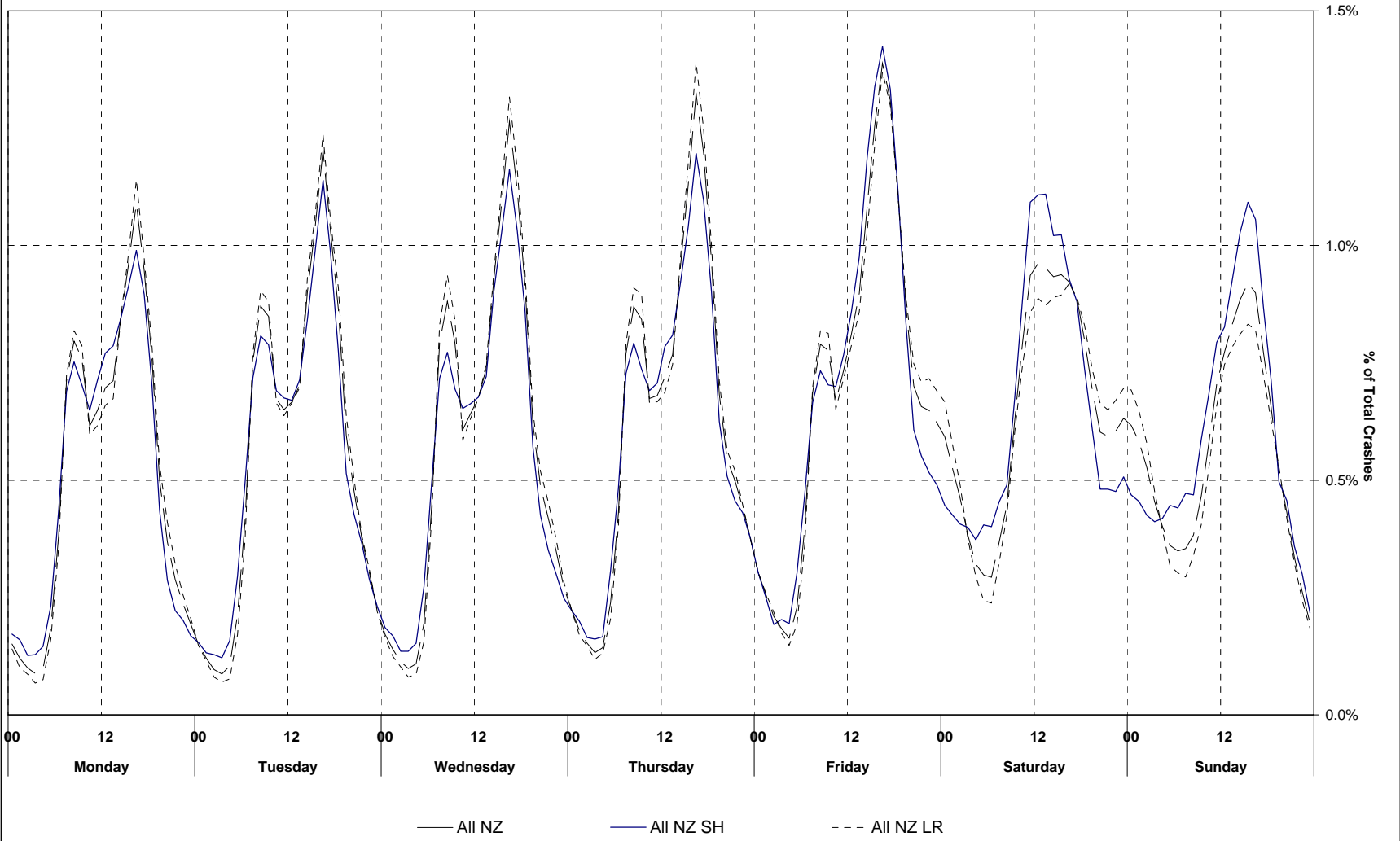
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions



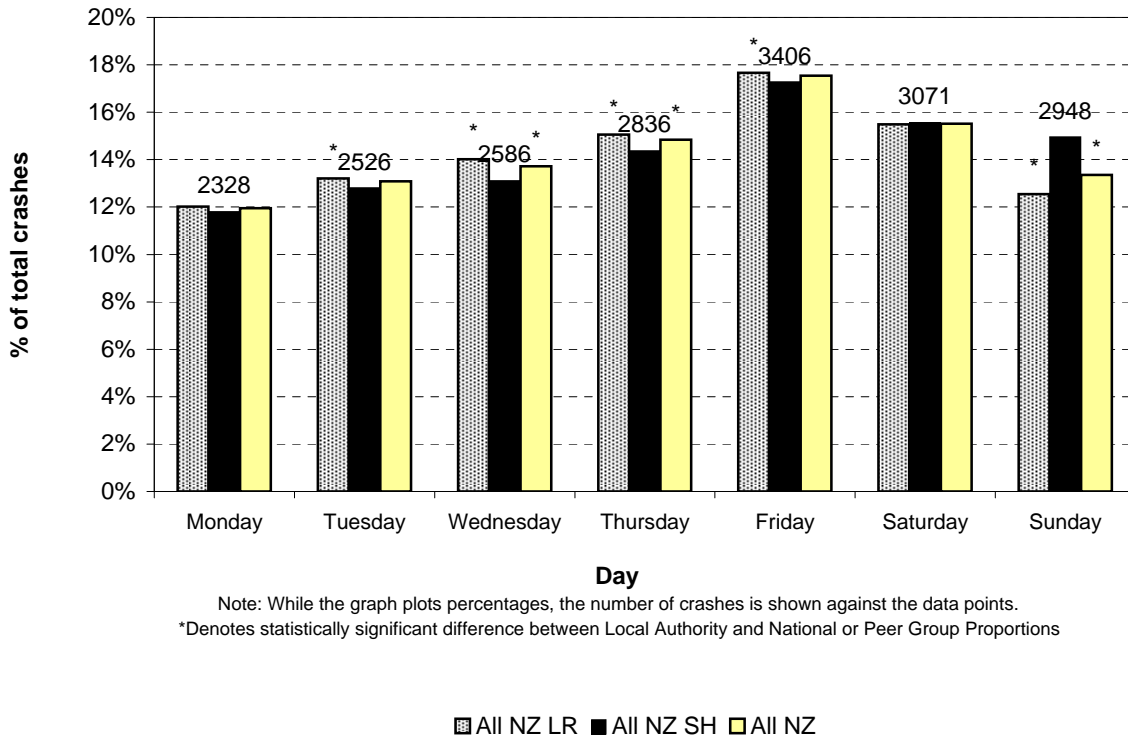
# *Date and Time Statistics*



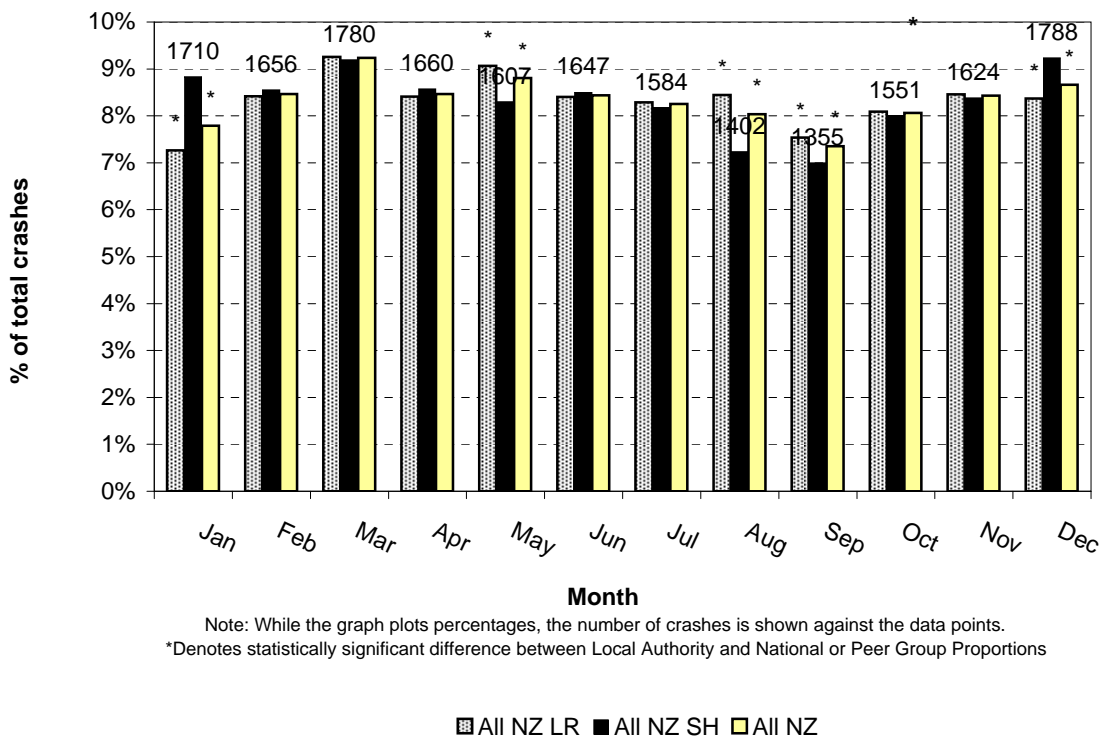
Figure 7.1 Time pattern over average week  
All NZ state highways (2005-2009)



**Figure 7.2 Day of week (6 a.m. to 6 a.m.)  
All NZ state highways (2005-2009)**



**Figure 7.3 Month of year  
All NZ state highways (2005-2009)**

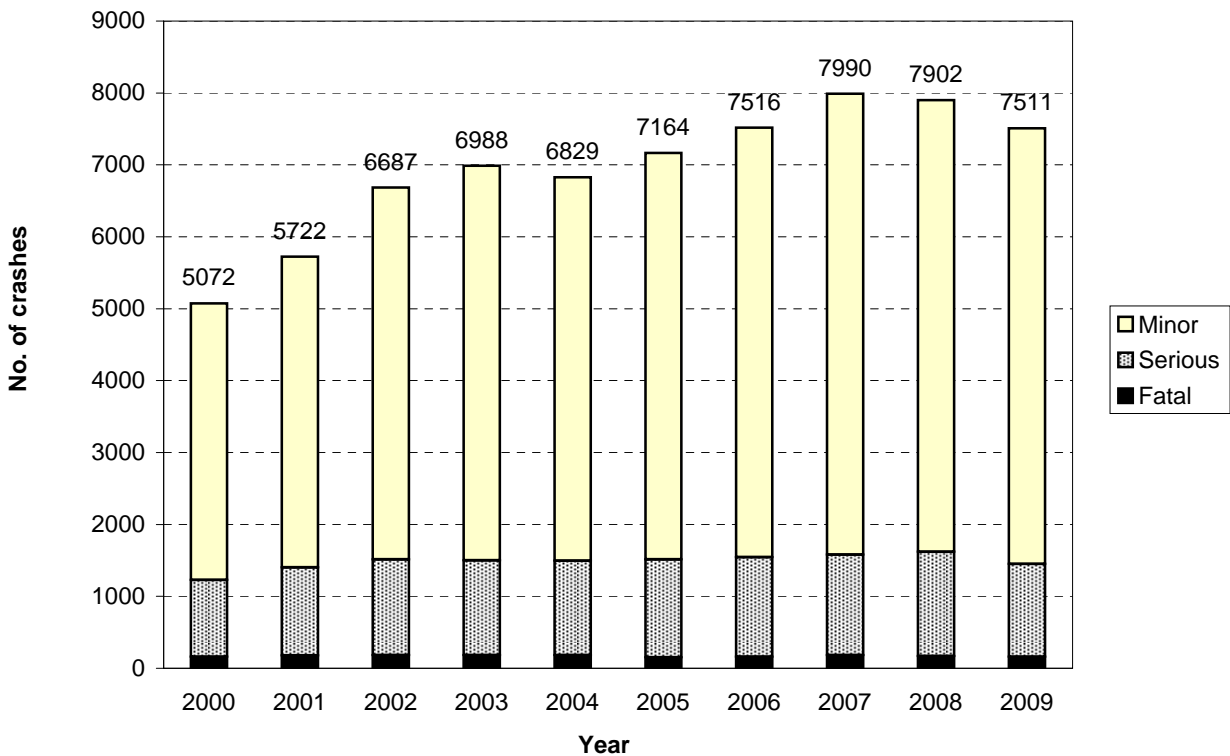


# *Local Road Statistics*

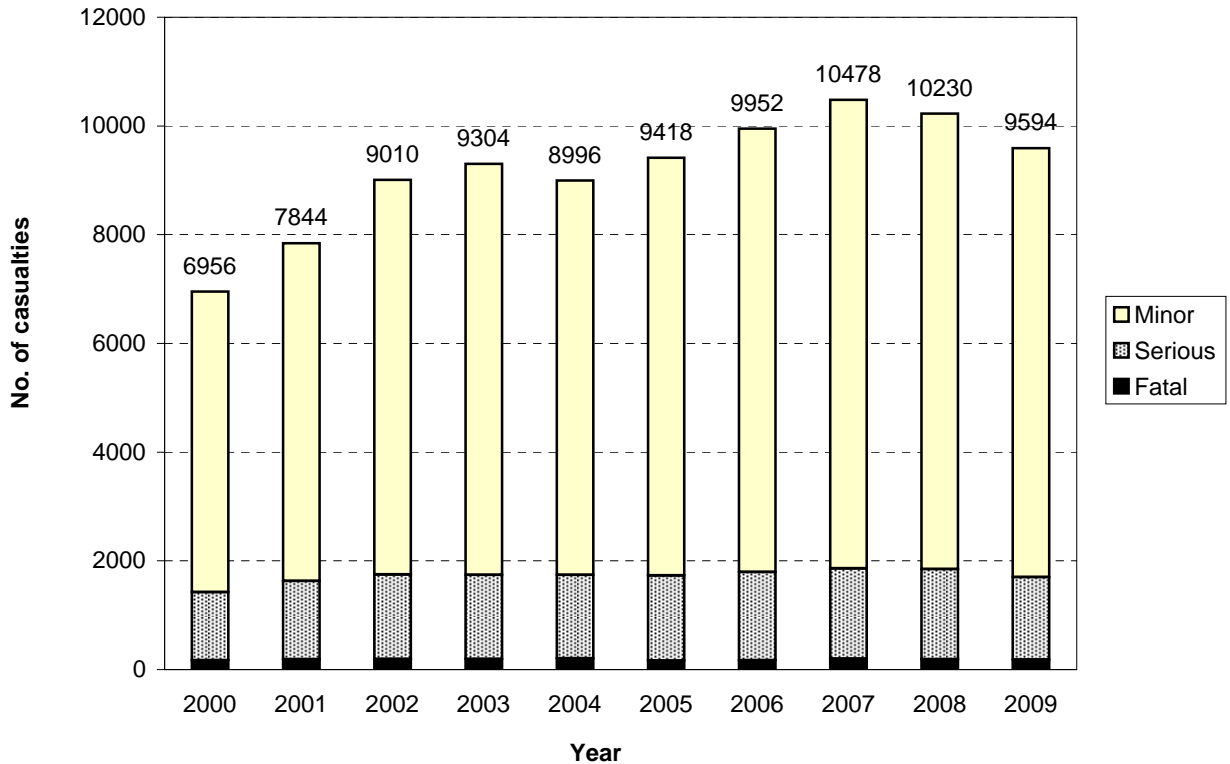




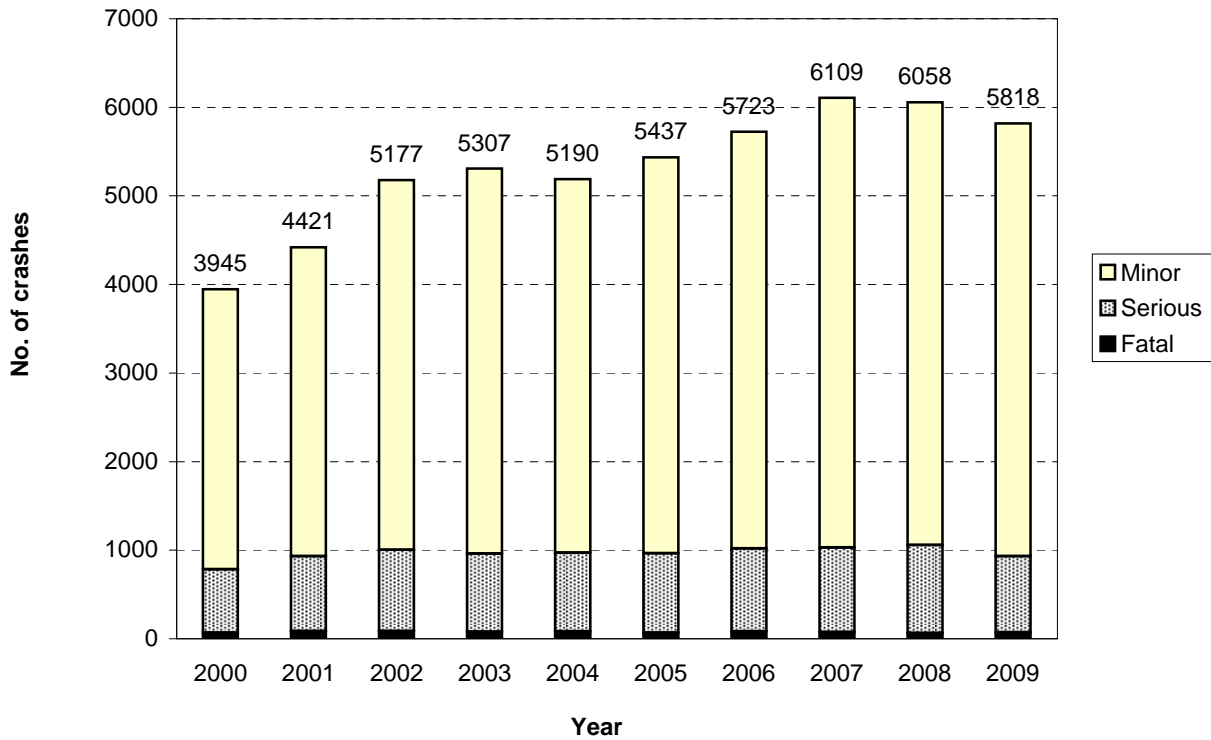
**Figure 8.1 Number of injury crashes**  
All NZ - council roads (urban & rural)



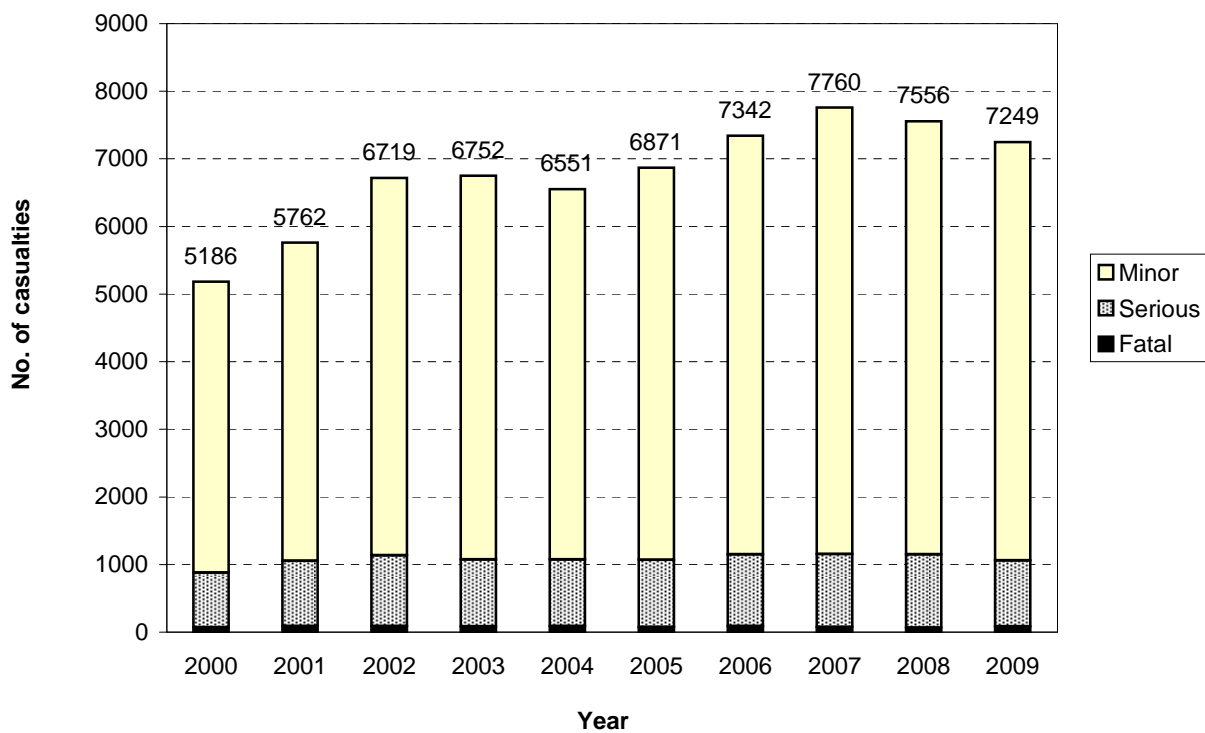
**Figure 8.2 Number of casualties**  
All NZ - council roads (urban & rural)



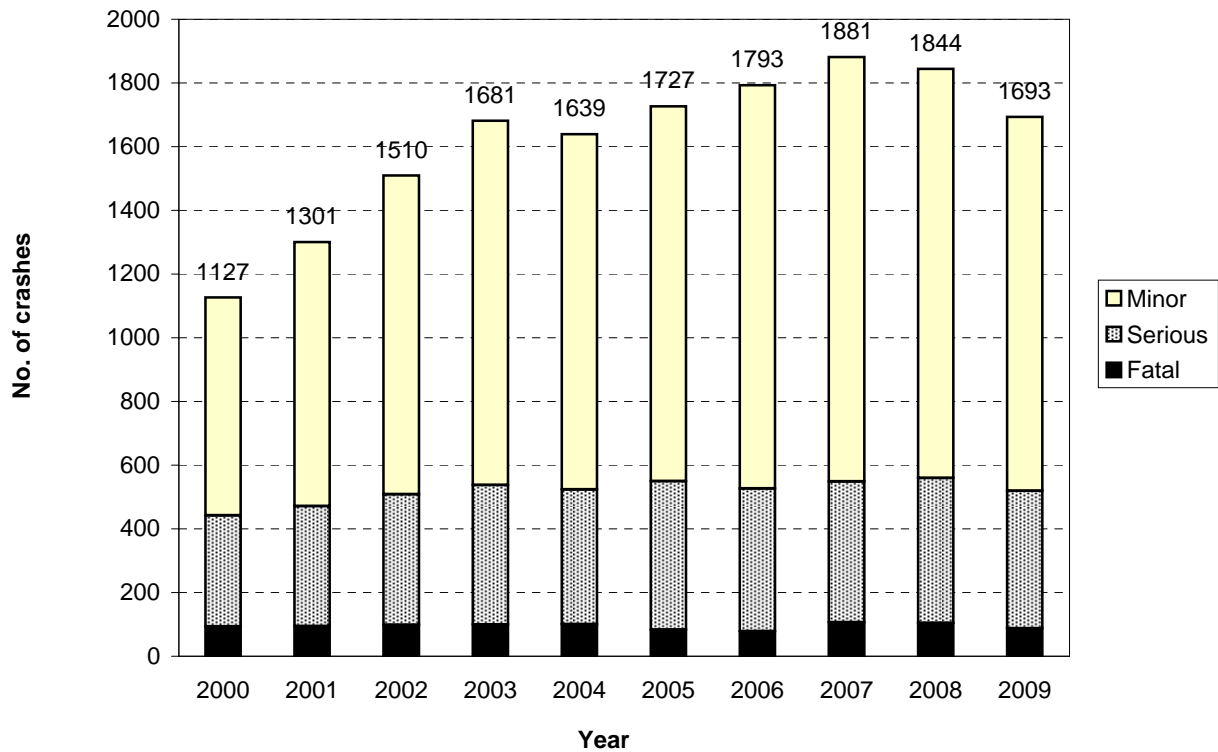
**Figure 8.3 Number of injury crashes**  
All NZ - urban council roads



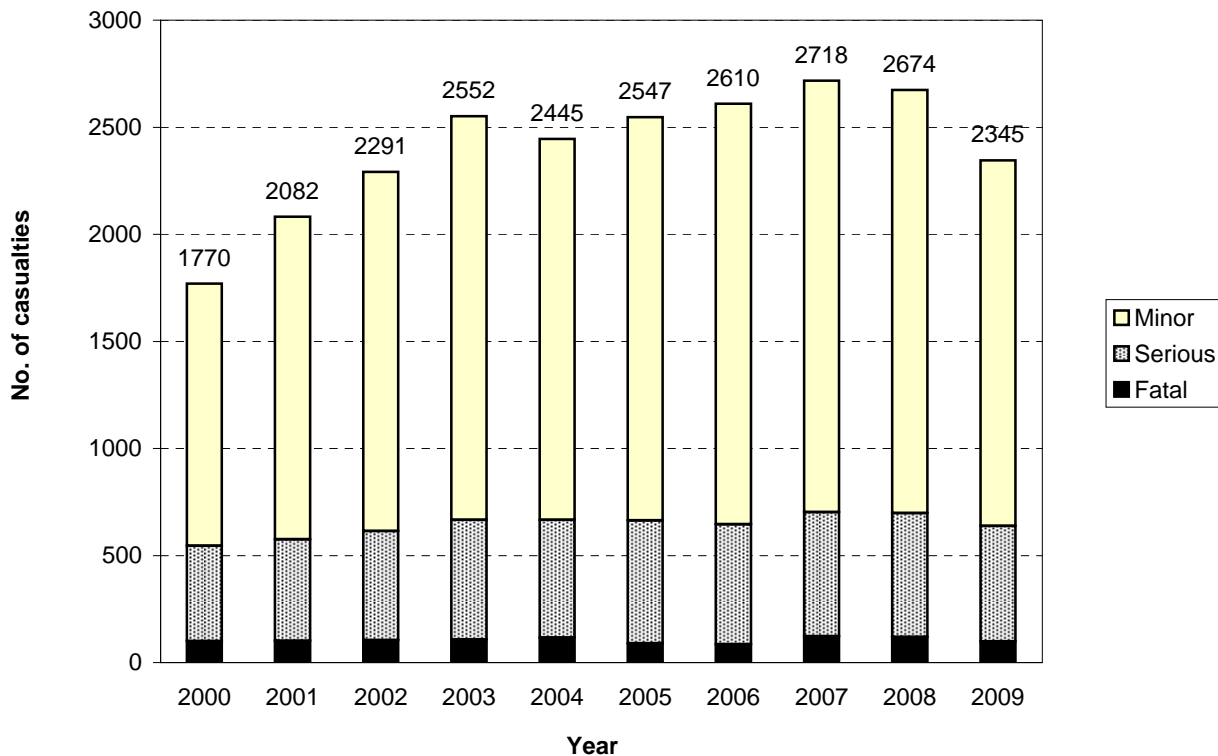
**Figure 8.4 Number of casualties**  
All NZ - urban council roads



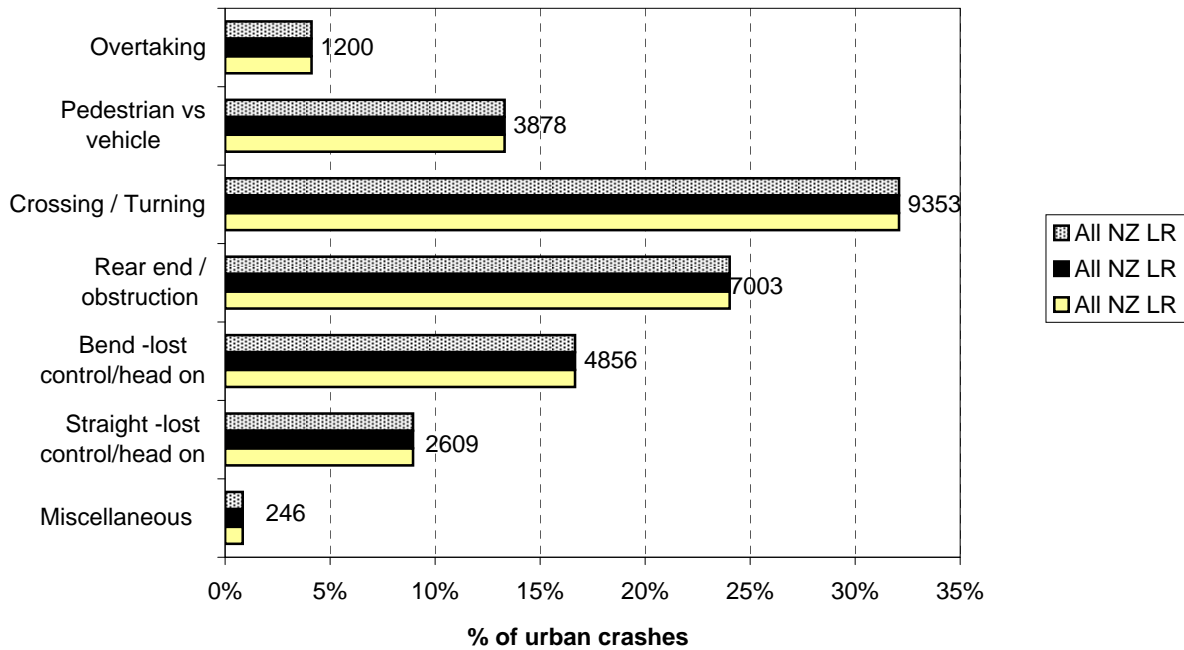
**Figure 8.5 Number of injury crashes**  
All NZ - rural council roads



**Figure 8.6 Number of casualties**  
All NZ - rural council roads

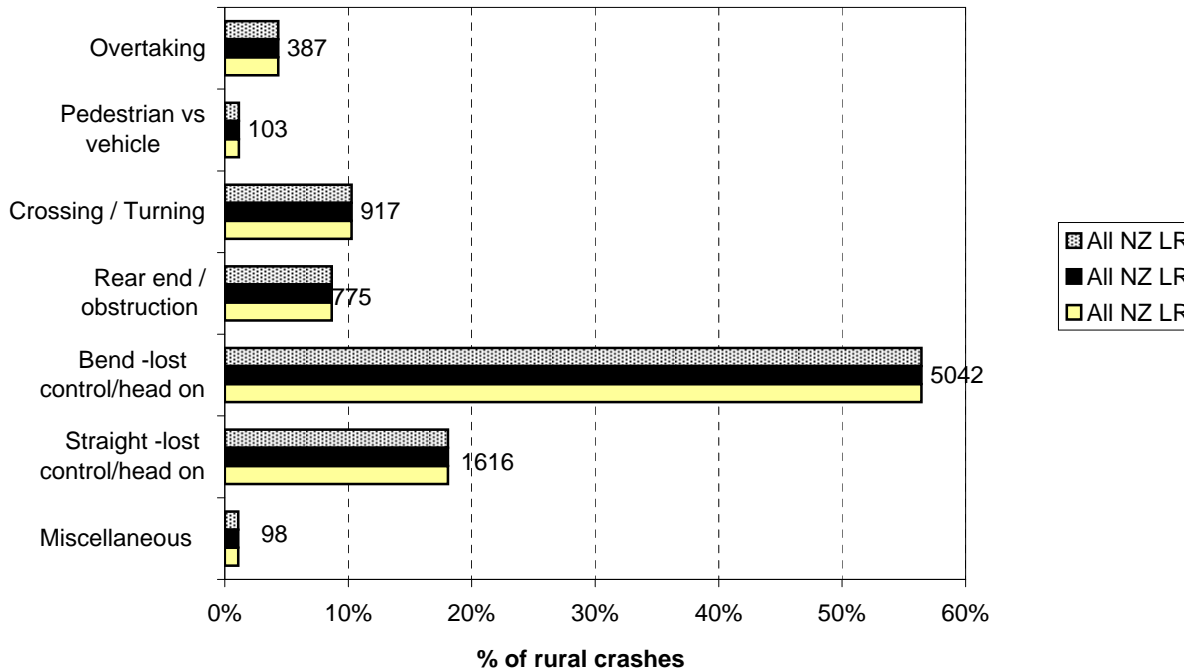


**Figure 8.7 Crash movement type - urban  
All NZ council roads (2005-2009)**



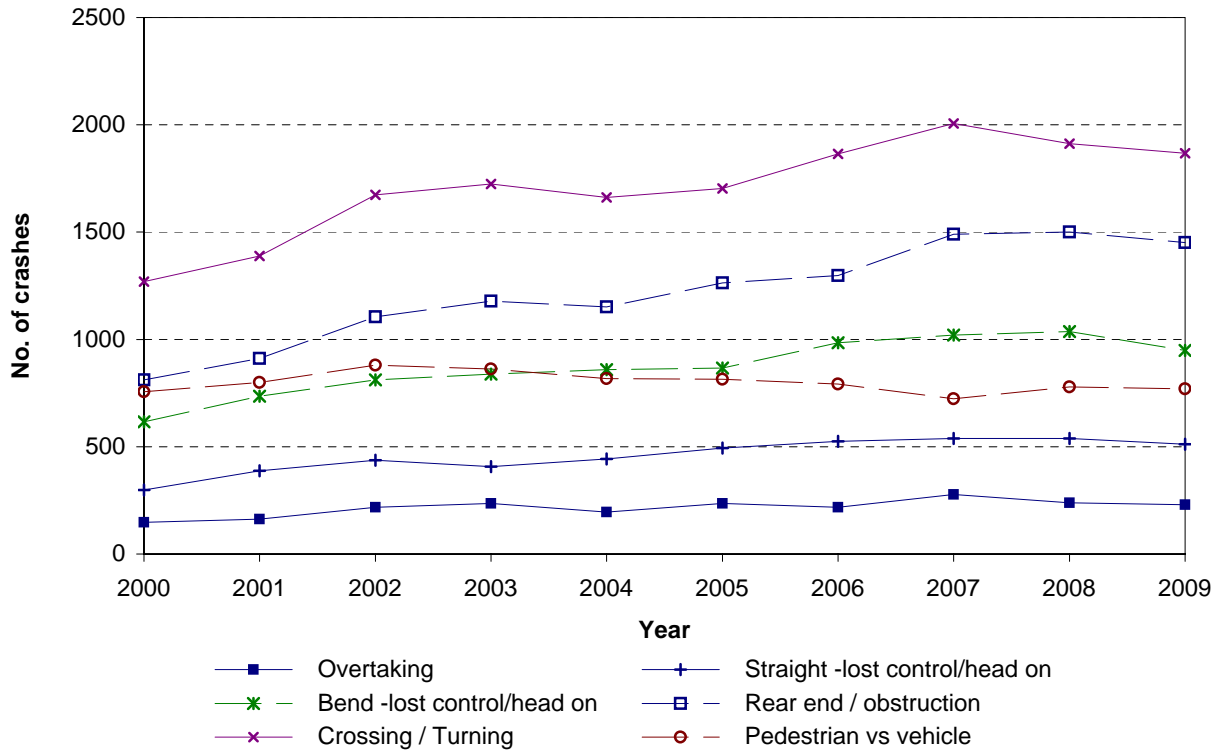
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 8.8 Crash movement type - rural  
All NZ council roads (2005-2009)**

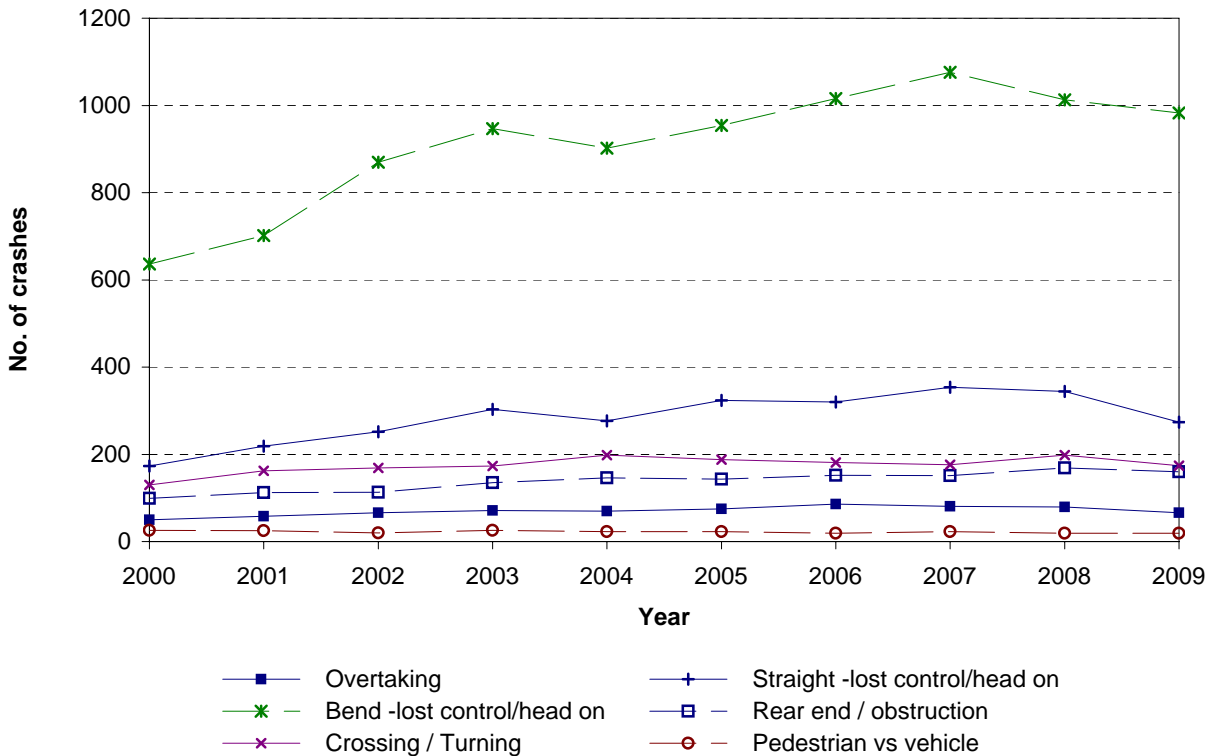


Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

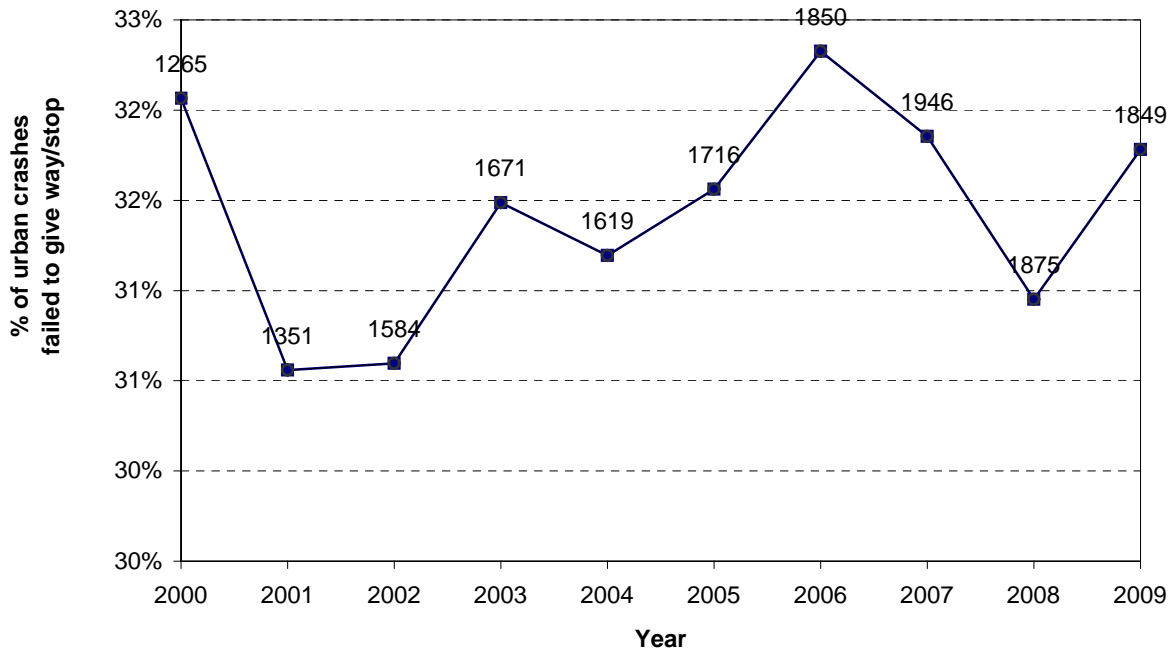
**Figure 8.9 Crash movement type - Trends**  
All NZ - urban council roads



**Figure 8.10 Crash movement type - Trends**  
All NZ - rural council roads



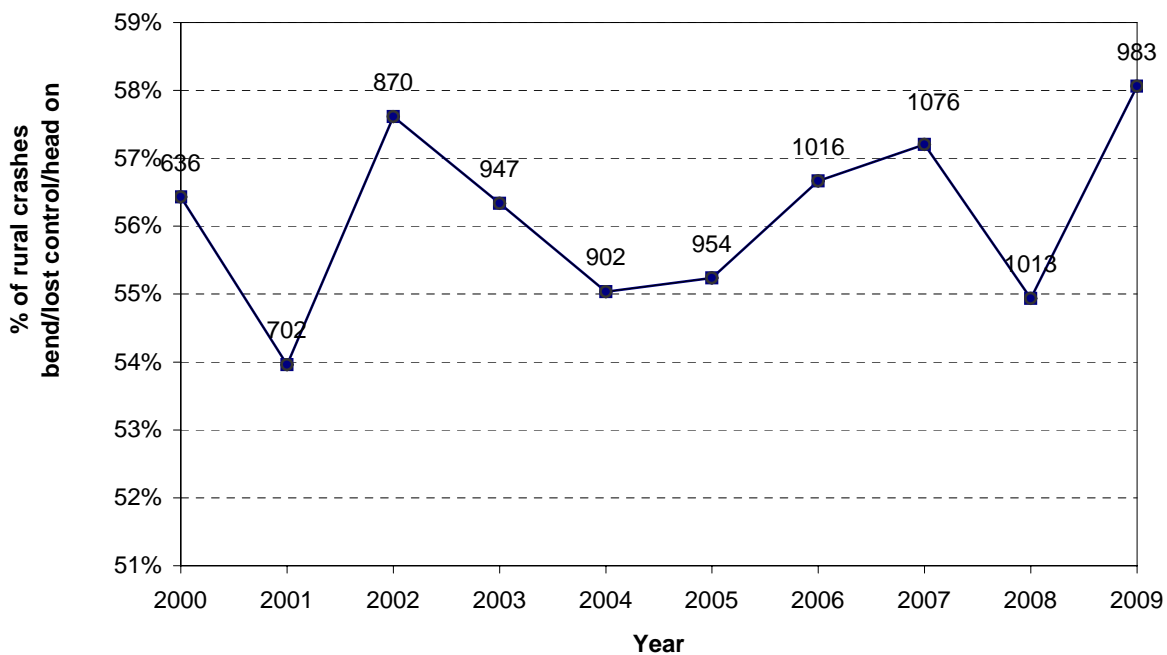
**Figure 8.11 Failed to give way/stop  
All NZ - urban council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

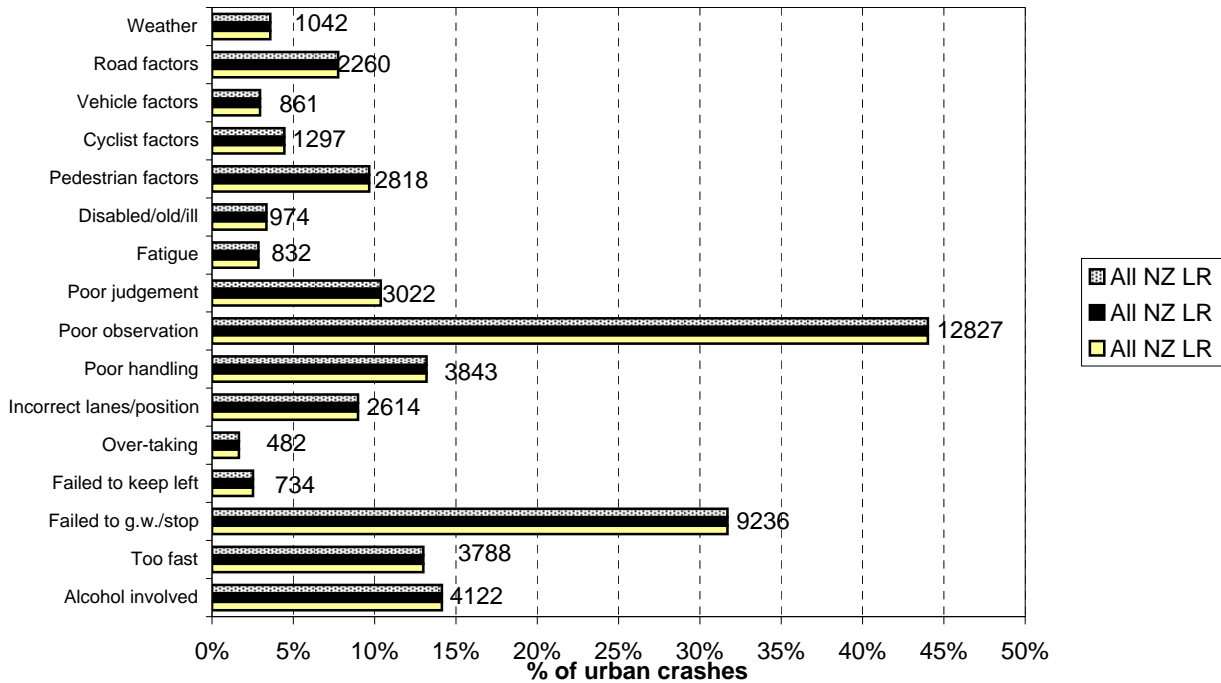
**Figure 8.12 Bend - lost control / head - on  
All NZ - rural council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

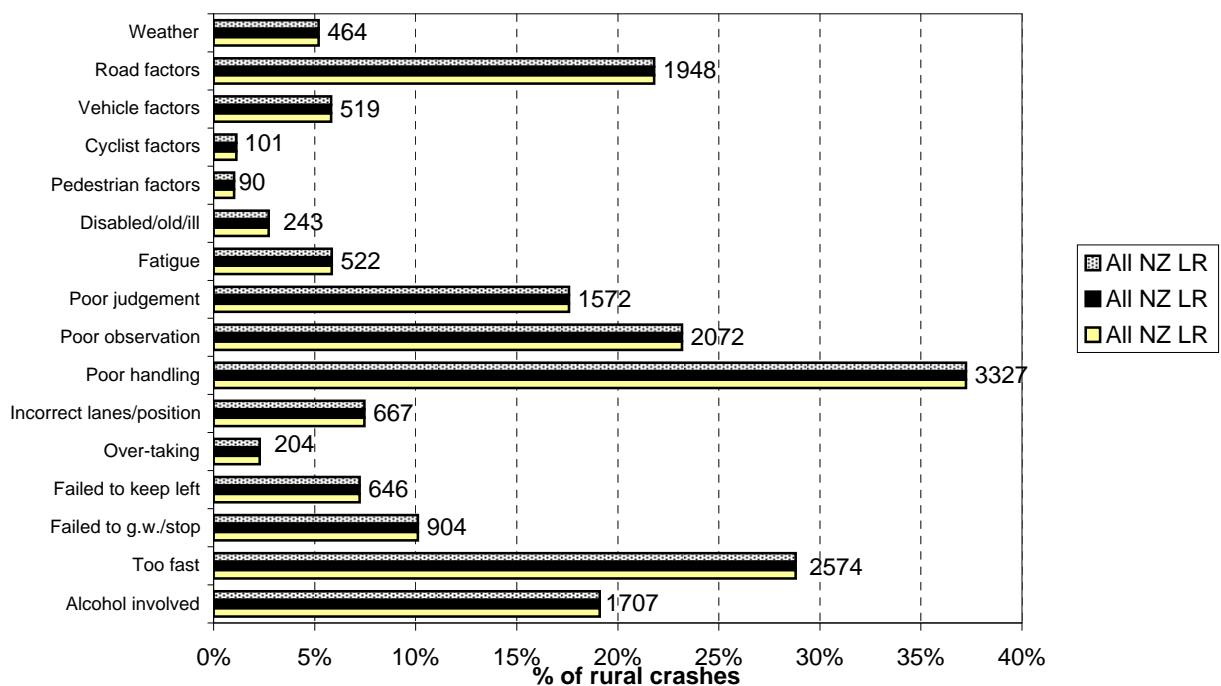
—+— All NZ LR —■— All NZ LR —○— All NZ LR

**Figure 8.13 Contributing factors - urban  
All NZ council roads (2005-2009)**



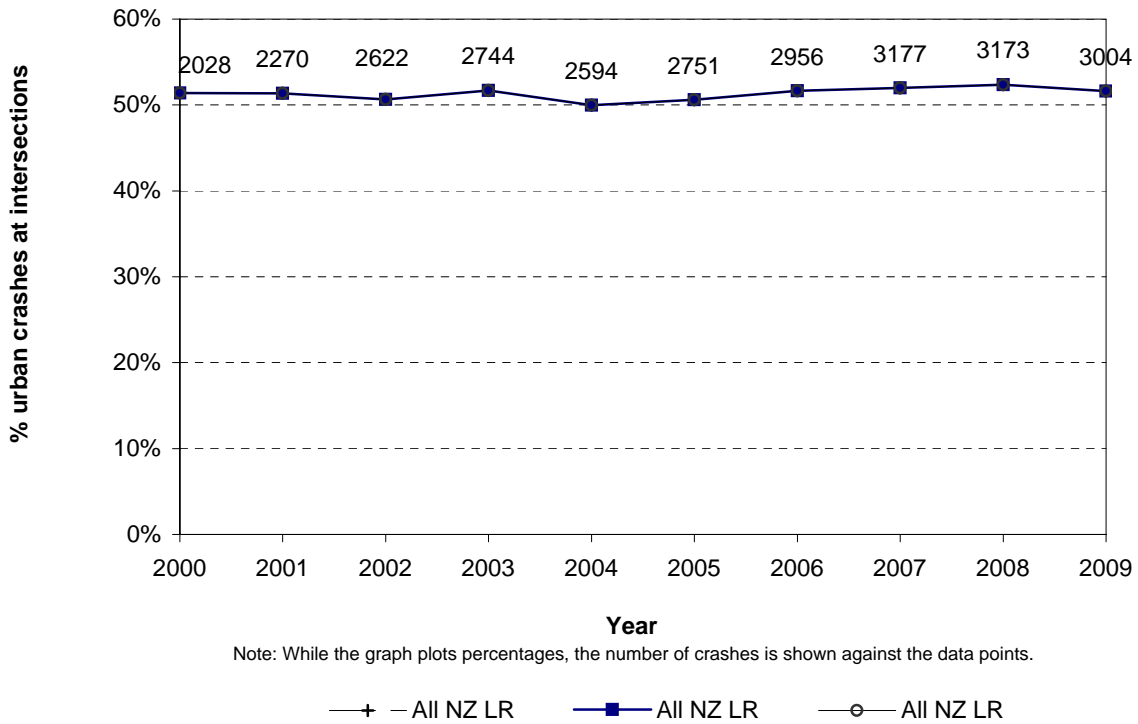
Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 8.14 Contributing factors - rural  
All NZ council roads (2005-2009)**

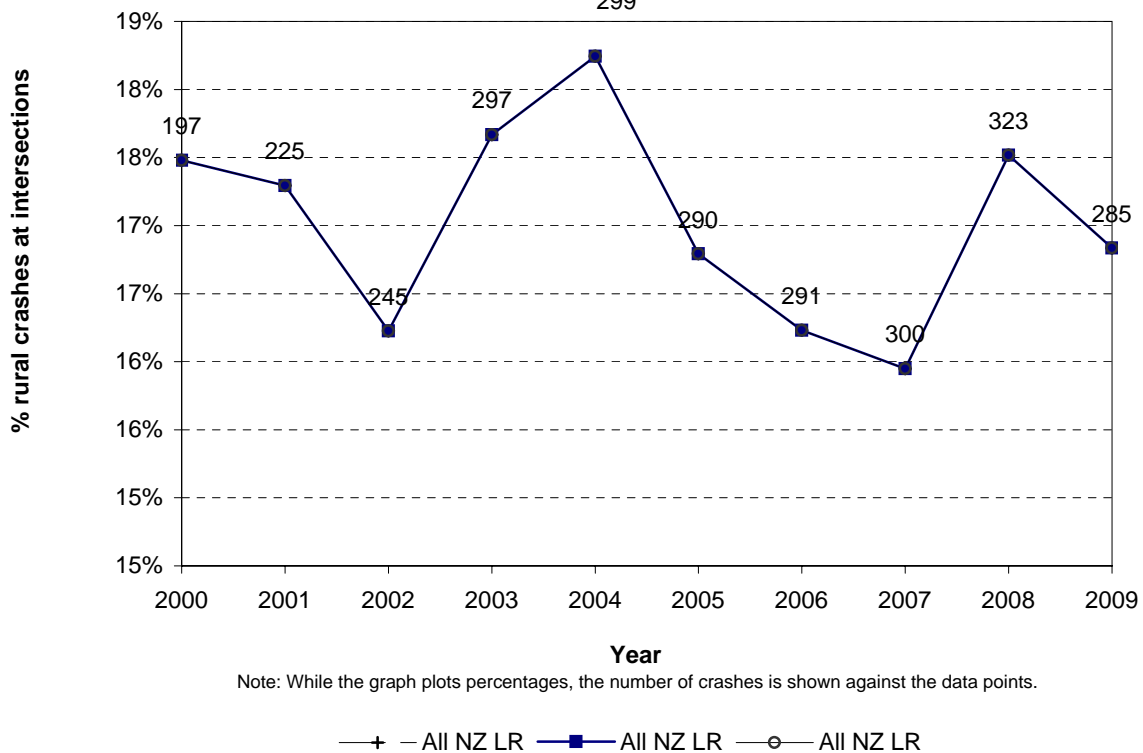


Note: While the graph plots percentages, the number of casualties is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 8.15 Intersection crashes  
All NZ - urban council roads**

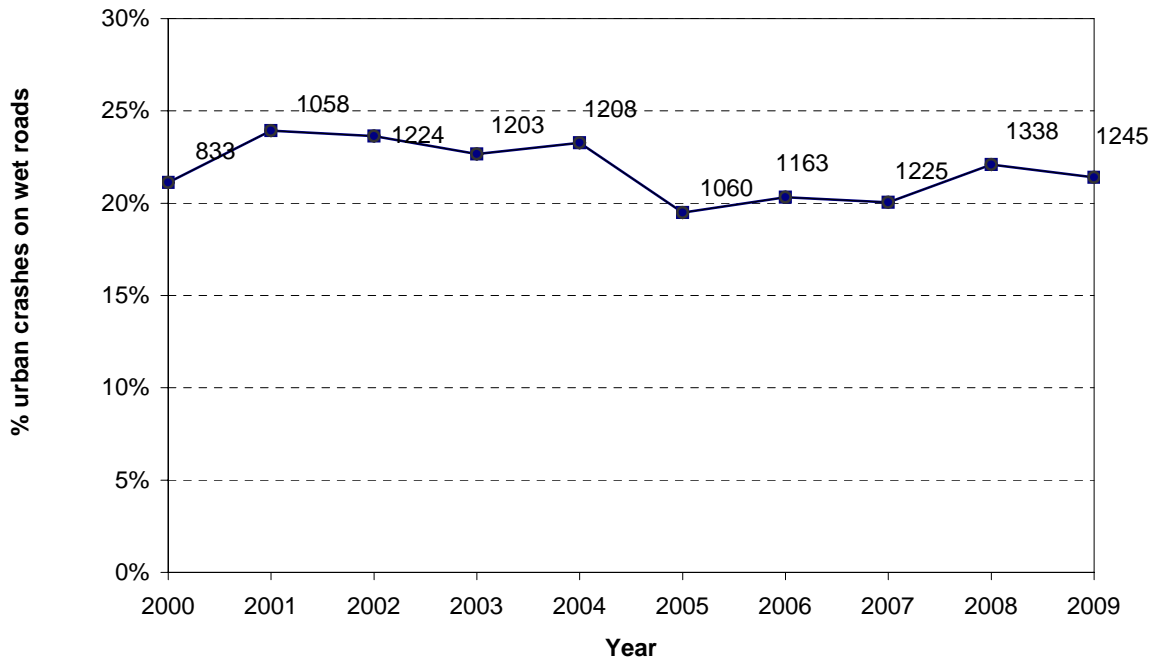


**Figure 8.16 Intersection crashes  
All NZ - rural council roads**





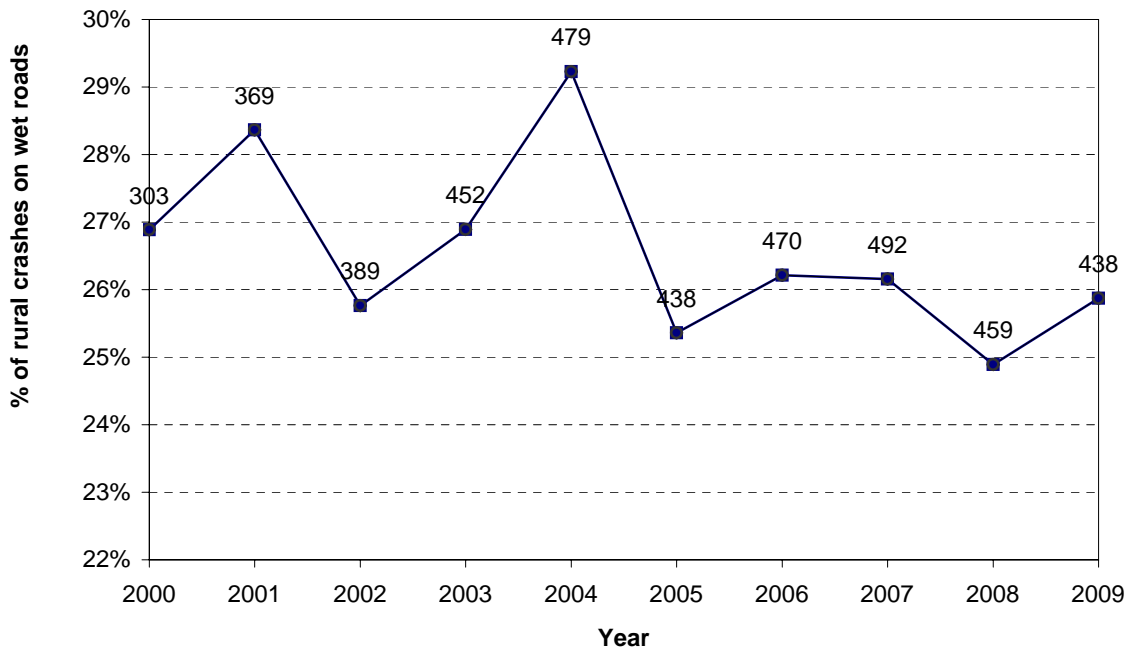
**Figure 8.17 Wet road crashes**  
**All NZ - urban council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

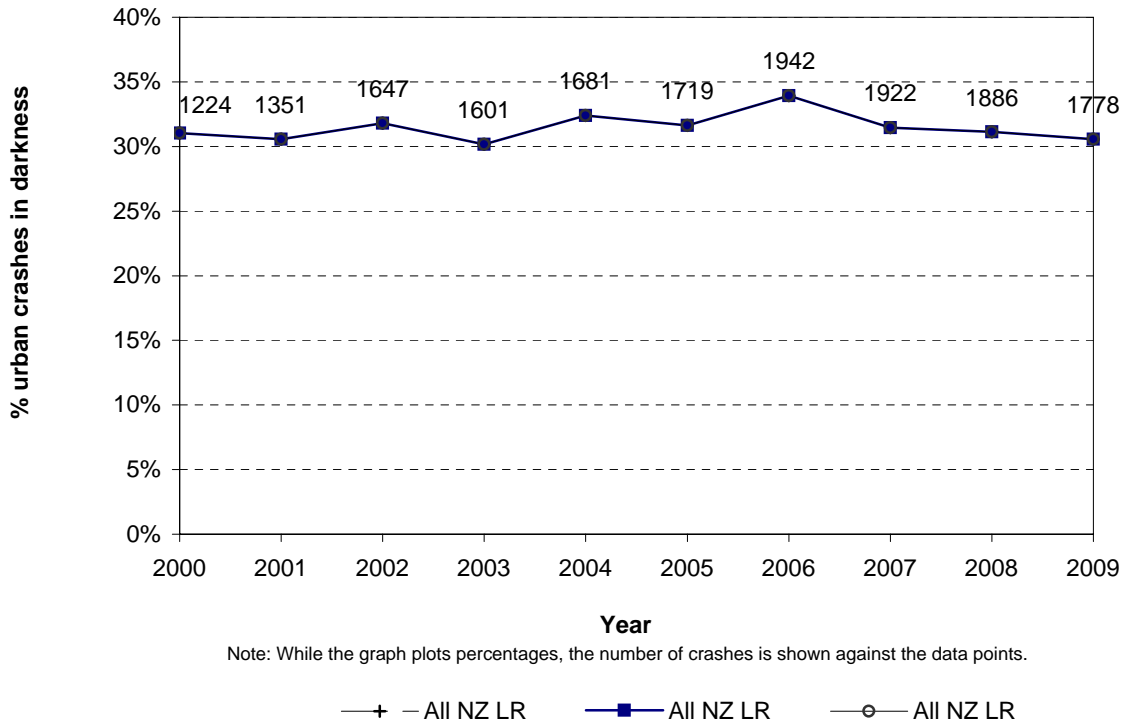
**Figure 8.18 Wet road crashes**  
**All NZ - rural council roads**



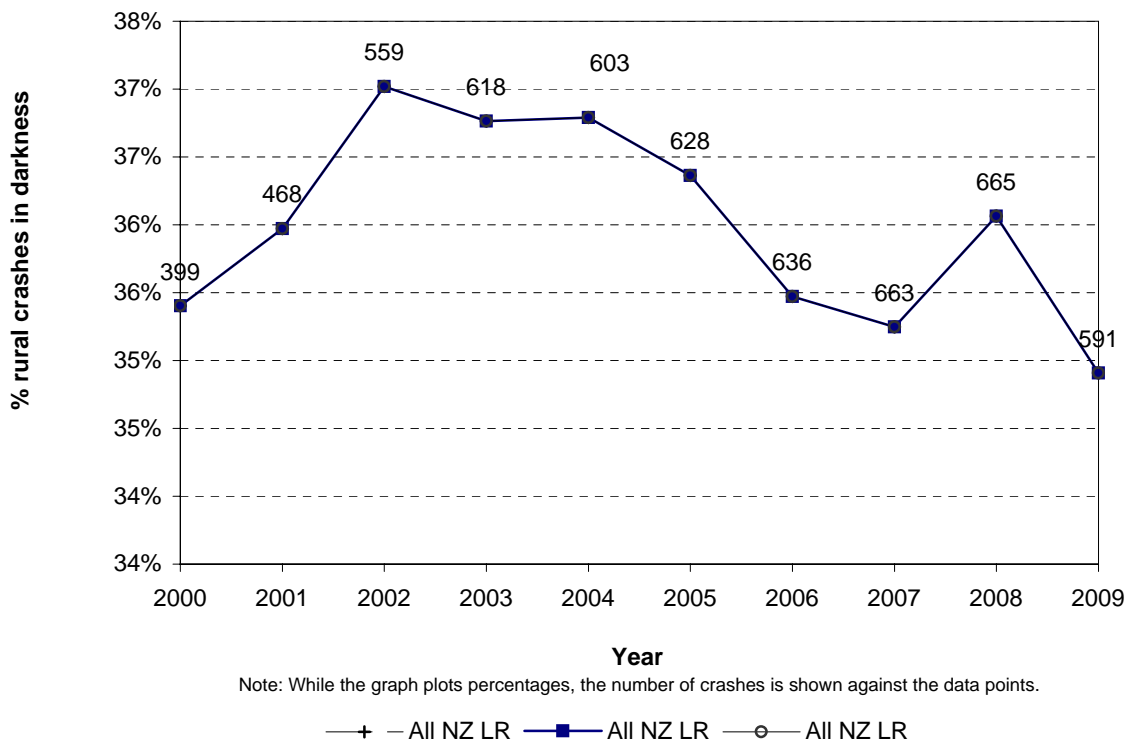
Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

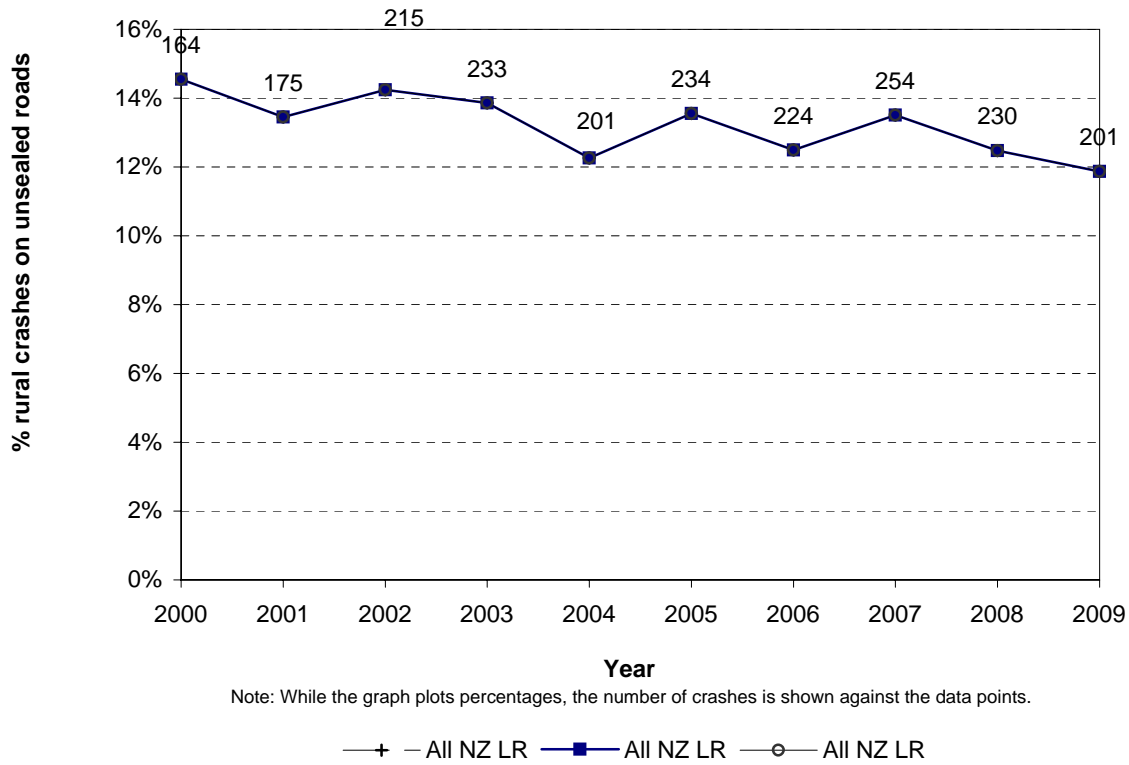
**Figure 8.19 Crashes in darkness**  
All NZ - urban council roads



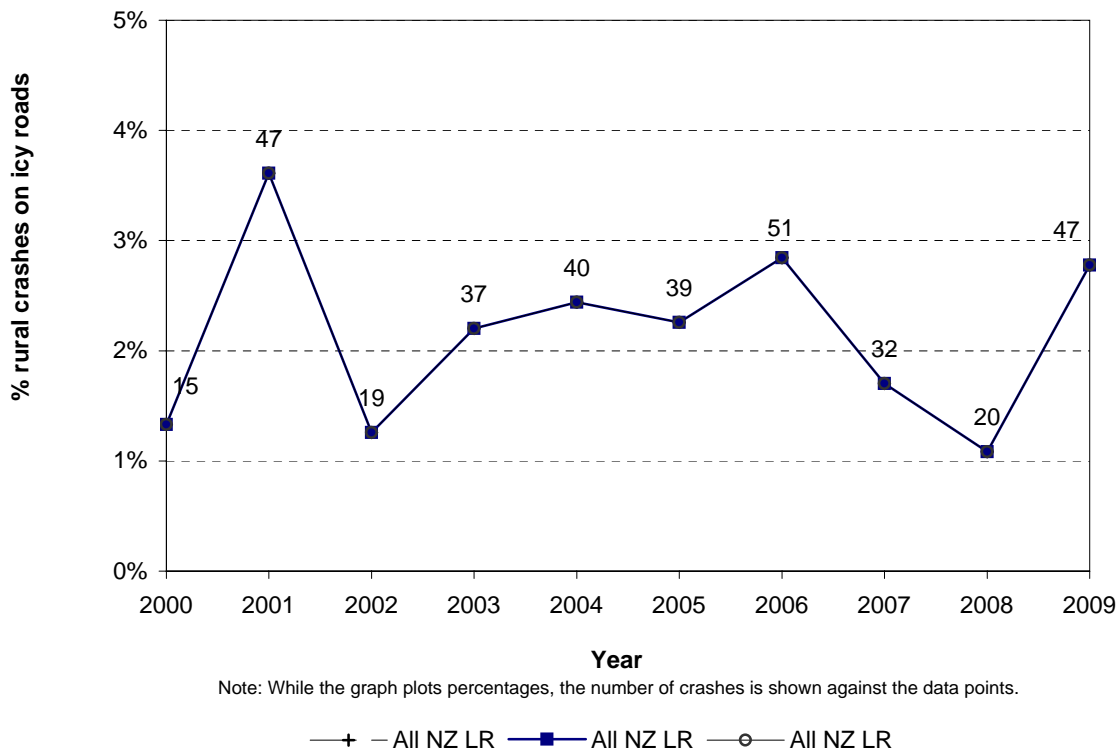
**Figure 8.20 Crashes in darkness**  
All NZ - rural council roads



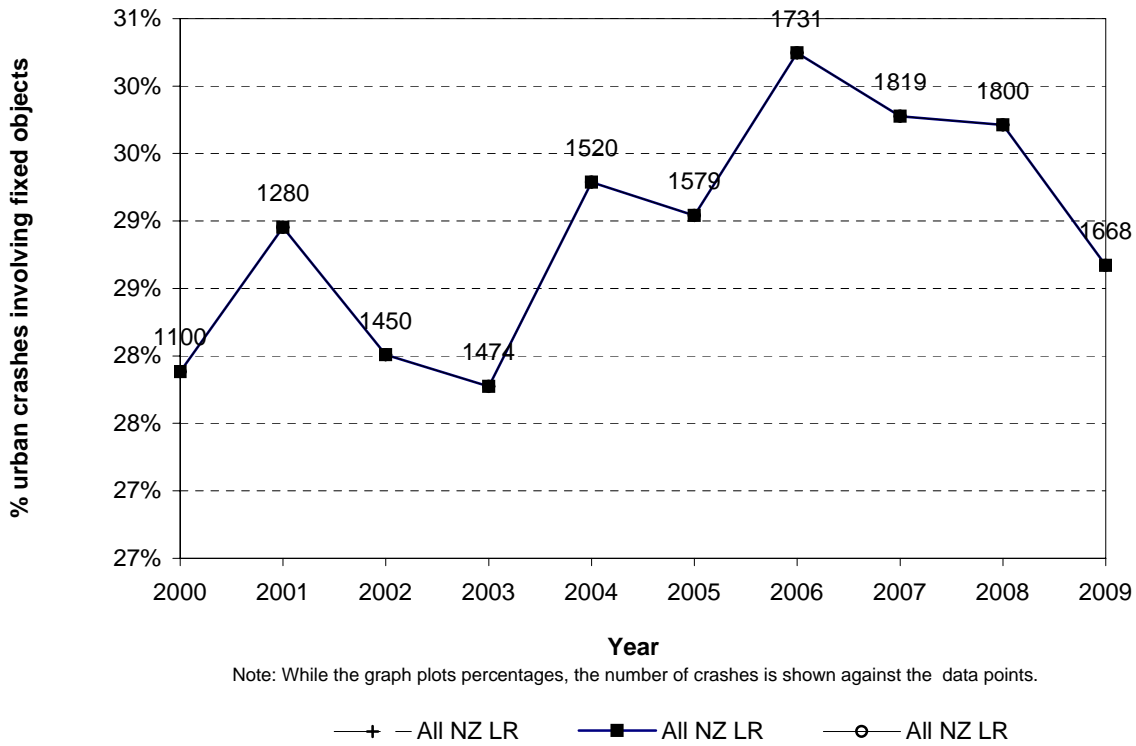
**Figure 8.21 Crashes on unsealed roads  
All NZ - rural council roads**



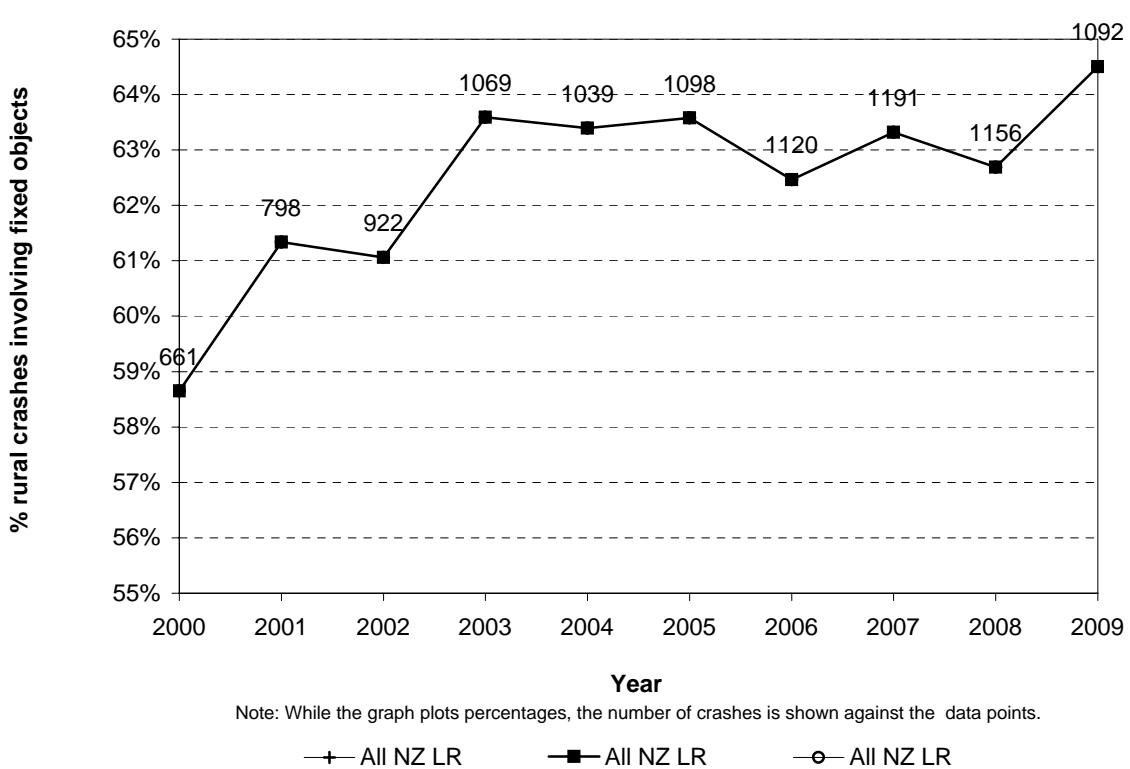
**Figure 8.22 Icy road crashes  
All NZ - rural council roads**



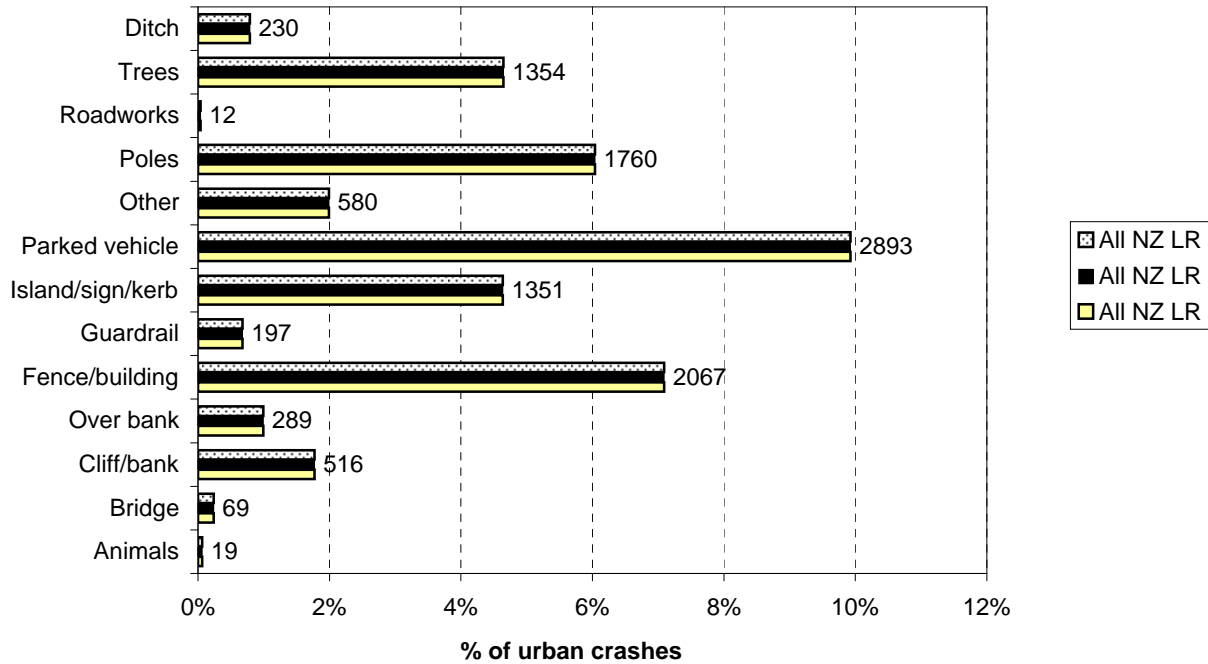
**Figure 8.23 Collisions with objects**  
**All NZ - urban council roads**



**Figure 8.24 Collisions with objects**  
**All NZ - rural council roads**

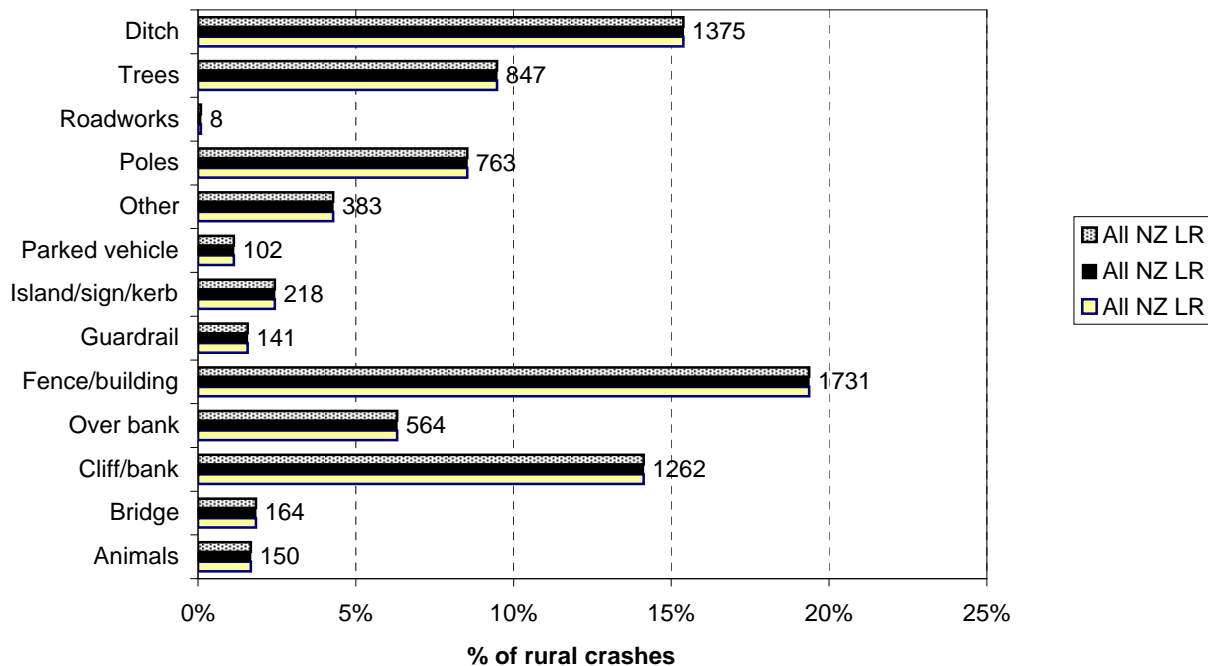


**Figure 8.25 Objects struck - urban**  
**All NZ council roads (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 8.26 Objects struck - rural**  
**All NZ council roads (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.  
\*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions



# *Crash Location Statistics*





**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 5	I	SH 1N	8	7	7	12	5	39	21	15	15	\$20,231,859
SH 1N	I	GILLIES ON NBD	61	74	55	49	56	295	247	19	26	\$14,089,919
SH 1N	I	ONEWA ON SBD	40	32	50	33	37	192	161	19	32	\$14,059,086
SH 1N		800 S LINK ROAD	1	1	1	1	0	4	1	25	0	\$12,998,156
SH 50A		800 S EVENDEN ROAD	1	2	1	0	0	4	1	0	100	\$12,483,554
SH 1N	A	PENROSE OBR	62	56	53	41	34	246	186	20	18	\$12,332,978
SH 1N	I	MANUKAU OFF NBD	11	8	8	19	13	59	43	34	22	\$11,973,231
SH 33		10000 S ALLPORT ROAD	1	0	1	1	2	5	1	100	20	\$11,057,837
SH 29	I	BELK ROAD	0	2	1	7	4	14	9	57	36	\$10,794,190
SH 1N	I	SCHOLLUM ACCESS ROAD	6	5	4	3	6	24	17	67	38	\$10,116,088
SH 2	I	PILMER ROAD	2	0	0	1	2	5	1	40	60	\$10,039,434
SH 1N	I	FANSHAWE ON NBD	43	37	35	25	29	169	147	27	31	\$9,747,470
SH 56	I	TE WANAKA ROAD	3	0	3	1	0	7	4	43	57	\$9,742,024
SH 1N		330 S HOROTIU BRIDGE ROAD	1	2	1	1	1	6	2	50	67	\$9,717,612
SH 1N		500 N FOX ROAD	1	3	0	1	2	7	3	29	57	\$9,675,867
SH 77		800 E BRIDGE ST	0	0	2	1	1	4	0	50	75	\$9,447,200
SH 1N	A	SHELLY BEACH OBR	31	21	27	23	42	144	110	26	33	\$9,360,920
SH 2	I	KOPIKU ROAD	3	1	1	1	1	7	3	43	29	\$9,319,066
SH 27	I	KUTIA ROAD	1	2	1	1	1	6	2	17	0	\$9,313,852
SH 3	I	FINNERTY ROAD	0	2	0	3	2	7	0	43	71	\$9,192,400
SH 12	I	WAIMATENUI ROAD	2	1	2	0	0	5	0	0	20	\$9,128,700
SH 1N	I	SEART OFF SBD	18	24	10	13	9	74	54	20	27	\$9,121,126
SH 1B		2000 S TE PUTU ST	0	3	2	0	0	5	2	40	60	\$9,112,952
SH 2		610 W MOHAKA TOWNSHIP ROAC	0	0	1	3	0	4	1	25	25	\$9,070,397
SH 1N		200 W PUKETIRAU ROAD	1	2	0	0	0	3	1	33	0	\$9,027,196
SH 2		500 S CONDOIT ROAD	1	3	1	1	0	6	3	67	33	\$8,970,207
SH 1N	I	MANUKAU ON SBD	13	15	15	16	16	75	53	39	29	\$8,969,716
SH 1N		1000 N SH 29	2	1	1	2	1	7	4	71	29	\$8,938,241
SH 33	I	BANKSIA PLACE	1	2	0	0	0	3	1	67	33	\$8,872,356
SH 1N	I	KHYBER PASS OFF NBD	32	41	27	36	31	167	138	13	21	\$8,856,089
SH 57		2500 E POTTS ROAD	1	0	0	1	1	3	1	0	33	\$8,803,837
SH 30		3000 E OHAKURI ROAD	0	0	4	1	2	7	3	57	43	\$8,732,311
SH 1N	I	CENTENNIAL NBD	16	17	15	16	20	84	53	48	40	\$8,731,708
SH 6		400 W EIGHTY EIGHT VALLEY RO.	0	0	0	1	2	3	0	33	0	\$8,711,220
SH 16		400 S KIWITAHU ROAD	2	1	2	0	0	5	1	40	60	\$8,695,057
SH 1N		700 S FOREST LAKES ROAD	1	1	0	0	1	3	0	67	33	\$8,612,240
SH 1N	I	WELLESLEY OFF NBD	32	34	37	38	31	172	140	24	36	\$8,611,063
SH 1S	I	BREADINGS ROAD	1	1	0	0	2	4	2	0	75	\$8,608,252
SH 2	I	MAKETU ROAD	3	6	6	1	4	20	12	20	25	\$8,601,729
SH 1N		2660 N SH 1B	2	0	0	1	1	4	1	25	50	\$8,578,254
SH 1N	I	TAKANINI OFF SBD	18	10	19	11	12	70	50	23	30	\$8,382,351
SH 1N	A	GREENLANE OFF NBD	20	25	24	27	23	119	89	22	25	\$8,192,040
SH 1N		500 N LOOP ROAD N	0	3	3	1	2	9	3	22	56	\$8,166,851
SH 16	I	NEWTON ON WBD	39	33	38	19	17	146	116	25	21	\$8,145,994
SH 60		400 S WHARF ROAD	0	1	0	2	0	3	0	67	33	\$8,145,760
SH 16		300 W BOND OBR	15	19	15	8	8	65	48	32	26	\$8,097,037
SH 1N		2900 S WAIPU GORGE ROAD	0	2	1	0	1	4	1	100	0	\$7,817,876
SH 1S	I	WILLIAMS ST	5	8	6	3	2	24	14	17	29	\$7,815,884
SH 1N	I	MOWER ROAD	0	2	1	1	1	5	3	0	20	\$7,803,271
SH 2		220 N NGAKOROA ROAD	1	0	0	0	3	4	2	25	50	\$7,799,834

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 16	I	TE ATATU ON WBD	9	11	4	14	7	45	33	29	38	\$7,618,967
SH 2	I	SH 5	3	3	1	3	2	12	4	17	17	\$7,559,402
SH 1N	I	OTAHUHU ON SBD	20	20	15	19	23	97	76	26	40	\$7,546,310
SH 16	I	PT CHEV ON EBD	13	14	18	12	10	67	50	49	42	\$7,497,652
SH 1N	I	CURRAN ON NBD	27	28	22	32	42	151	118	23	21	\$7,299,893
SH 1N	I	MAIN OBR	14	11	6	13	9	53	43	21	26	\$7,248,953
SH 3	I	WIKITORIA ROAD	2	5	5	6	0	18	10	0	22	\$7,168,030
SH 50	I	SH 50A	7	15	6	2	2	32	20	22	16	\$7,162,113
SH 26	I	SH 25	7	1	9	6	2	25	10	16	20	\$7,155,549
SH 1B		1500 S TE PUTU ST	2	6	2	0	0	10	4	80	0	\$6,927,220
SH 1N	I	TE COMA OFF SBD	10	13	13	9	14	59	48	19	41	\$6,866,890
SH 3	I	RAYNES ROAD	5	2	3	3	7	20	8	60	30	\$6,847,847
SH 50	I	MEEANEE ROAD	13	11	14	3	1	42	31	21	38	\$6,830,617
SH 2		1600 E WAIOTAH VALLEY BACK R	1	0	2	1	0	4	1	0	25	\$6,800,717
SH 73 WEST COAST	I	BUCHANANS ROAD	3	4	6	0	3	16	7	13	25	\$6,745,715
SH 2		800 N ATHENREE ROAD	0	2	0	2	0	4	1	0	0	\$6,726,237
SH 30	I	PAROA ROAD	0	4	6	1	0	11	3	18	36	\$6,706,569
SH 1N	I	SH 12	4	6	3	1	3	17	11	47	29	\$6,686,414
SH 57	I	QUEEN ST EAST	2	9	1	2	1	15	6	27	20	\$6,660,674
SH 16	I	ROYAL ON EBD	9	5	10	7	5	36	26	33	36	\$6,614,550
SH 1N	I	OTAHUHU OFF SBD	15	10	7	8	12	52	44	27	29	\$6,570,946
SH 17	I	SILVERDALE ST	5	6	9	8	9	37	28	16	16	\$6,570,550
SH 12	I	WALLIS ROAD	5	1	2	2	2	12	7	25	33	\$6,467,805
SH 1N		500 N CURRAN ON NBD	25	8	19	19	30	101	81	26	22	\$6,460,708
ROSCOMMON ROAD	I	WIRI STATION ROAD S	6	19	9	14	11	59	48	17	36	\$6,440,297
SH 35	I	HIRUHARAMA ROAD	2	0	1	0	0	3	2	33	67	\$6,383,550
SH 2	I	MCPHERSON ROAD	2	2	5	5	2	16	7	44	44	\$6,378,215
SH 16	I	ST LUKES ON WBD	5	14	11	5	7	42	30	33	52	\$6,377,317
SH 20A	I	KIRKBRIDE ROAD	9	6	6	8	10	39	29	26	44	\$6,367,983
SH 1N	A	FALLS BR	5	3	6	5	5	24	19	79	29	\$6,365,805
SH 2	I	MOONSHINE ROAD	8	4	4	2	2	20	13	35	30	\$6,363,624
SH 1N	I	KOPETI ROAD	4	2	1	0	2	9	4	11	0	\$6,357,820
SH 1N	I	NOVA SCOTIA DRIVE	3	2	1	1	2	9	4	22	11	\$6,312,740
SH 14		1000 S WHATITIRI ROAD	3	1	1	0	4	9	5	78	33	\$6,297,638
SH 2	I	SH 58	13	9	9	16	18	65	50	42	25	\$6,297,381
SH 23	I	OKETE ROAD	0	5	0	1	0	6	1	33	33	\$6,284,176
SH 73		200 E CURLETTS ROAD	2	1	3	3	0	9	2	11	22	\$6,281,630
SH 5	I	ARROWSMITH AVENUE	7	4	6	4	5	26	14	8	12	\$6,279,560
SH 2	I	WESTERN HUTT OFF NBD	2	1	5	1	4	13	6	31	38	\$6,234,537
SH 2	I	WILTONS ROAD	3	4	0	1	4	12	5	33	17	\$6,231,815
SH 1N	I	AOTEA ON NBD	4	6	10	15	9	44	30	27	45	\$6,207,366
SH 12	I	TOKATOKA ROAD	1	1	1	3	1	7	3	14	43	\$6,191,089
SH 1N		400 S REDOUBT OBR	5	5	4	6	10	30	24	40	37	\$6,183,606
SH 1B	I	MARSHMEADOW ROAD	6	7	6	6	5	30	17	20	27	\$6,164,681
SH 37		2300 W SH 3	3	1	0	1	0	5	1	60	60	\$6,121,577
SH 1N	I	WAYBY VALLEY ROAD	2	1	1	5	3	12	5	17	17	\$6,112,520
SH 1N	I	ISLAND BLOCK ROAD	0	3	0	2	3	8	3	50	50	\$6,103,869
SH 25		600 N TIKI QUARRY ROAD	0	2	0	2	0	4	1	25	50	\$6,101,977
SH 2	I	TE MATAI ROAD	2	1	1	1	5	10	6	20	30	\$6,092,335
SH 36		450 N TE MATAI ROAD	0	1	1	1	8	11	7	27	27	\$6,091,238

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 3	I	CORBETT ROAD	2	6	1	4	2	15	8	7	40	\$6,085,428
SH 74 MAIN NORTH	I	QUEEN ELIZABETH II DRIV	6	19	9	10	7	51	33	6	39	\$6,054,623
SH 1S	A	DAZZLE CORNER	2	3	3	3	1	12	3	25	17	\$6,025,551
SH 2	I	SH 25	3	4	0	2	5	14	8	7	36	\$5,991,266
SH 2	I	WELCOME BAY ROAD	3	0	2	2	2	9	6	0	0	\$5,977,388
SH 1N	I	WELLINGTON ROAD	2	3	1	1	0	7	3	0	29	\$5,974,407
SH 2	I	HOROKIWI ROAD	8	10	13	20	15	66	45	33	20	\$5,941,216
SH 2		200 E WESTERN HUTT ON NBD	2	2	1	1	2	8	3	38	38	\$5,925,326
SH 1N		500 N KOPUTAROA ROAD	2	2	0	0	0	4	1	25	75	\$5,924,414
SH 1N	I	PENROSE OFF NBD	26	24	16	31	23	120	104	23	28	\$5,894,309
SH 60	I	MCSHANE ROAD	2	0	5	3	2	12	6	33	25	\$5,878,878
SH 29		1500 S MCLAREN FALLS ROAD	0	1	0	0	4	5	2	60	20	\$5,846,694
SH 2		1000 E MOFFAT ROAD	0	4	1	0	2	7	5	14	43	\$5,837,160
SH 2		700 S DRUMPEEL ROAD	1	0	0	3	1	5	1	0	20	\$5,817,777
SH 3		250 N KETEMARAE ROAD	2	0	4	1	0	7	2	57	43	\$5,787,894
SH 5		3300 S WAIKITE VALLEY ROAD	0	0	0	0	3	3	0	67	67	\$5,768,280
SH 1N	I	ONSLow ST	3	0	3	2	6	14	9	36	36	\$5,750,825
SH 2		500 S SH 58	1	1	1	2	1	6	2	17	67	\$5,748,612
SH 1S		500 N WEST ROAD	2	0	1	0	0	3	0	67	67	\$5,726,140
SH 8		2800 S LYE BOW ROAD	1	1	1	0	2	5	0	20	40	\$5,724,180
SH 3	I	RUGBY ROAD	3	4	0	2	0	9	4	56	67	\$5,704,160
SH 1N		300 S CHURTON PARK ON SBD	3	0	0	1	3	7	5	43	29	\$5,686,118
SH 3		400 S JOHNSTON ROAD	2	3	1	0	1	7	2	29	29	\$5,668,069
SH 3		400 W KAITOKE ROAD	0	1	1	2	1	5	2	0	60	\$5,666,292
SH 2	I	NAPIER ROAD	6	2	1	1	2	12	4	17	42	\$5,641,440
SH 6		1540 N BROWN BR	0	2	2	1	2	7	1	29	14	\$5,638,356
SH 1N	I	FOX ROAD	3	2	2	0	1	8	5	25	50	\$5,610,576
SH 1S		250 S MERTON CRK BR	0	0	1	2	0	3	0	33	67	\$5,601,680
SH 2		50 N KIWI VALLEY ROAD E	1	0	0	0	2	3	0	33	67	\$5,583,060
SH 1N		40 S ALFRISTON OBR	7	8	4	2	6	27	20	33	41	\$5,577,792
SH 1N		100 S SPIERS ROAD	0	1	2	2	1	6	0	33	50	\$5,573,260
SH 35	I	RUTENE ROAD	1	2	1	1	0	5	2	20	80	\$5,552,664
SH 1S	A	KATIki OBR	0	2	0	0	1	3	0	67	33	\$5,550,720
SH 1N		500 N SAUNDERS ROAD	4	3	6	0	4	17	12	82	53	\$5,549,212
SH 1N		380 S MAROA ROAD	2	1	0	2	0	5	1	60	20	\$5,547,114
SH 1B	I	TAYLOR ROAD	6	1	3	2	2	14	11	7	43	\$5,531,564
SH 27		620 N MAUNGAKAWA ROAD	2	0	4	0	0	6	3	67	33	\$5,530,467
SH 31		350 N OWAikURA ROAD	1	2	1	0	1	5	1	40	20	\$5,510,057
SH 4		4600 S MATAHIWI TRACK	2	1	0	0	0	3	0	67	33	\$5,493,880
SH 3	I	RADNOR ROAD	2	0	1	0	0	3	1	0	33	\$5,492,234
SH 3		100 S YE OLD MILL ROAD	1	5	1	0	0	7	3	71	71	\$5,471,688
SH 1N	I	THE RAMP OFF SBD	6	3	2	3	4	18	13	22	44	\$5,461,223
SH 3	I	FLYGERS LINE	6	1	4	1	2	14	10	14	29	\$5,455,609
SH 1S	I	MCLEODS ROAD	2	2	0	2	0	6	1	33	67	\$5,454,994
SH 3	I	TE KUMI STATION ROAD	1	1	2	0	1	5	2	20	0	\$5,454,510
SH 1N		500 N SHELLY BEACH OBR	26	11	13	10	14	74	56	27	20	\$5,432,413
SH 30		300 E ONEPU SPRING ROAD	2	0	0	1	1	4	2	0	50	\$5,422,170
SH 28	I	SH 5	2	0	0	0	2	4	2	25	0	\$5,405,510
SH 30		800 E WAIMIHA ROAD	1	0	2	2	4	9	5	33	22	\$5,401,121
SH 1N	I	WHAKAHORO ROAD	0	3	2	2	4	11	6	64	36	\$5,379,017

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 75	I	GEBBIES PASS ROAD	0	2	1	2	0	5	1	20	40	\$5,344,437
SH 7		50 S RIORDANS CRK BR	0	1	3	0	1	5	1	40	20	\$5,341,497
SH 50	I	OMAHU ROAD	2	2	2	1	4	11	7	9	27	\$5,339,232
SH 3	I	DUDLEY ROAD LOWER	3	1	3	1	2	10	3	20	30	\$5,337,509
SH 3	I	SH 21	2	7	2	1	4	16	9	44	25	\$5,335,035
SH 1N	I	WARATAH PLACE	1	1	0	1	0	3	1	33	33	\$5,329,554
SH 25		1760 N OPOUTERE ROAD	0	1	0	2	0	3	1	33	0	\$5,326,797
SH 2		500 N OLD WAITEKAURI ROAD	3	1	2	1	1	8	3	63	13	\$5,309,886
SH 22	I	BLACKBRIDGE ROAD	2	2	1	2	3	10	7	30	30	\$5,303,952
SH 2		1000 E RAHU ROAD E	0	2	1	1	2	6	2	50	17	\$5,291,932
SH 1N	I	TOTARA ROAD	2	3	2	0	2	9	5	33	22	\$5,287,360
SH 1S		500 S WEEDONS ROSS ROAD	1	3	0	0	0	4	2	50	50	\$5,271,271
SH 32		5000 S SH 30	0	0	2	3	0	5	1	40	60	\$5,251,337
SH 50A MARAEKAKAHO	I	YORK ROAD	4	5	5	2	6	22	13	27	41	\$5,247,122
SH 1N		1000 S KOROHE ROAD	0	1	3	2	0	6	3	100	17	\$5,238,529
SH 7		150 N MOUNT ALEXANDER ROAD	2	1	0	0	0	3	1	67	67	\$5,233,514
SILVERDALE OFF SBD	I	SH 17	1	0	3	2	2	8	4	0	25	\$5,230,804
SH 2	I	PILCHER ROAD	2	2	2	0	1	7	2	29	14	\$5,217,452
SH 16		500 S OLD RAILWAY ROAD	3	1	2	1	3	10	7	10	50	\$5,204,073
SH 5	I	TAHARUA ROAD	0	2	2	0	1	5	2	40	60	\$5,203,732
SH 25A		5620 E SH 26	0	2	2	0	1	5	2	40	20	\$5,203,651
SH 1N	A	MT WGTN OBR	21	24	20	16	21	102	86	25	21	\$5,190,912
SH 1N		90 N KELM ROAD	0	2	3	0	1	6	4	33	33	\$5,188,965
SH 23	I	WALLACE ROAD	2	2	2	4	0	10	1	20	50	\$5,188,407
SH 2	A	RIMUTAKA NO5 BR	0	3	1	1	4	9	6	33	33	\$5,186,038
SH 5		1800 N RANGITAIKI TVN	0	0	4	0	2	6	4	67	50	\$5,185,207
SH 1N		180 N FINLAYSON BROOK ROAD	1	1	0	1	0	3	1	67	67	\$5,178,817
SH 57	I	ORRS ROAD	0	1	1	0	2	4	1	25	0	\$5,178,817
SH 1N	I	SEART ON NBD	16	27	30	18	9	100	83	19	26	\$5,172,084
SH 1S		1500 S TENNYSON ST	0	1	0	1	2	4	2	25	25	\$5,166,574
SH 1S		800 S RISE ROAD	1	0	3	0	0	4	2	0	0	\$5,155,610
SH 22	I	JESMOND ROAD	0	1	3	1	3	8	6	50	0	\$5,154,760
SH 8		30 N CRICKLEWOOD ROAD	0	1	2	1	0	4	2	25	75	\$5,154,732
SH 2	I	PAH ROAD	3	1	4	1	2	11	7	18	55	\$5,148,030
SH 2		200 S WOODLANDS ROAD	1	2	1	0	1	5	1	20	40	\$5,142,557
SH 90	I	WAIKAKA ROAD	1	2	0	1	0	4	1	0	25	\$5,128,654
SH 1N	I	GLEESON ROAD	0	1	2	2	2	7	4	14	0	\$5,127,306
SH 3	I	ONAERO RIVER ROAD	0	3	2	4	5	14	9	29	29	\$5,111,988
SH 1N		400 N HUTCHINSON ROAD	0	0	1	2	1	4	2	0	25	\$5,111,694
SH 25		1000 N ADAMS ROAD	1	2	0	1	0	4	0	25	25	\$5,105,800
SH 2		1000 E AWAITI ROAD	1	0	0	2	1	4	0	50	25	\$5,101,880
SH 10		600 N WAKELIN ROAD	0	4	0	1	2	7	5	57	43	\$5,100,200
SH 1N	I	PENROSE ON NBD	20	17	17	28	19	101	85	22	35	\$5,098,472
SH 3		2210 N TAUMATAMAIRE ROAD	1	1	1	0	0	3	0	0	0	\$5,091,100
SH 1N	I	MOIRS HILL ROAD	1	2	2	0	2	7	4	57	0	\$5,091,046
SH 3		2000 E MAKIRIKIRI ROAD	0	1	1	3	1	6	3	50	50	\$5,090,549
SH 1N		220 S TOOVEY ROAD	0	1	2	2	1	6	4	0	33	\$5,081,246
SH 16	I	TE ATATU ON EBD EAST	15	16	19	25	18	93	72	33	25	\$5,078,871
SH 1N	I	FISHER ROAD	1	0	1	0	1	3	1	33	33	\$5,077,694
SH 1N		300 S LINK ROAD	0	0	2	1	0	3	1	33	0	\$5,074,937

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	1320 S TAWHAA ROAD	0	0	0	0	3	3	1	33	0	\$5,074,937
SH 27	I GIVEN ROAD	0	1	0	1	2	4	2	25	75	\$5,071,514
SH 1N	600 N WHAKAHORO ROAD	0	2	0	2	1	5	2	40	40	\$5,058,692
SH 1N	I SOUTH MANAKAU ROAD	1	0	6	2	1	10	6	40	60	\$5,057,821
SH 3	I TURANGI ROAD LOWER	3	0	0	2	3	8	5	13	38	\$5,053,038
SH 1N	I PEKA PEKA ROAD	0	0	4	1	3	8	6	13	38	\$5,042,141
SH 1N	2000 N PUHIPUHI ROAD	0	2	0	2	0	4	1	0	75	\$5,037,616
SH 2	850 E COALFIELDS ROAD	0	2	1	0	0	3	1	100	67	\$5,036,636
SH 12	540 S WHAKAHARA ROAD	0	0	2	2	0	4	1	25	75	\$5,033,777
SH 10	I SH 11	2	7	5	2	5	21	12	14	24	\$5,033,732
SH 1S	90 N MCKERCHAR ROAD	3	0	0	1	0	4	0	25	50	\$5,030,340
SH 6	1500 E SH 65	4	0	1	0	0	5	0	40	80	\$5,013,680
SH 4	150 S OTAPOURI ROAD	1	1	2	0	1	5	3	100	40	\$5,006,086
SH 30	110 E POKURU ROAD NORTH	1	1	0	1	1	4	2	100	0	\$5,000,872
SH 2	660 S ELLISON ST	0	1	0	2	0	3	0	33	33	\$4,995,060
SH 3	I MONMOUTH ROAD	1	2	1	4	3	11	6	36	9	\$4,995,020
SH 3	A TANGAHOE BR	0	4	2	1	0	7	2	43	14	\$4,994,992
SH 1N	I VIPOND ROAD	1	1	0	0	1	3	1	33	0	\$4,993,516
SH 2	840 S MILL ROAD	0	1	0	2	0	3	0	0	0	\$4,987,220
SH 29	600 N VALLEY VIEW ROAD	0	0	2	0	8	10	8	80	20	\$4,982,375
SH 20A	400 S KIRKBRIDE ROAD	2	6	2	3	0	13	7	31	23	\$4,982,150
SH 16	I UNION OFF EBD	17	14	26	18	15	90	69	26	21	\$4,975,799
SARGENT ROAD	I SH 2	3	1	0	1	1	6	2	17	33	\$4,973,330
SH 25A	1100 W KIRIKIRI STM BR NO2	2	1	2	4	0	9	5	78	0	\$4,969,043
SH 1S	80 N MCPHERSON ROAD	1	1	1	0	0	3	1	0	33	\$4,965,974
SH 30	2480 W WAIPAPA ROAD	1	0	0	1	1	3	1	0	33	\$4,962,237
SH 2	1860 N TE MAHANGA ROAD	1	1	0	0	1	3	1	67	67	\$4,954,397
SH 56	I ALVE ROAD	3	3	0	0	2	8	5	63	38	\$4,948,995
SH 29	2380 N HANGA ROAD	3	2	0	3	0	8	5	50	38	\$4,947,913
SH 3	I AIRPORT DRIVE	2	1	1	2	5	11	7	9	0	\$4,943,475
SH 25A	400 N SH 26	0	4	3	0	1	8	3	75	0	\$4,943,468
SH 1N	3430 S FALLS BR	2	5	3	2	2	14	10	86	36	\$4,932,880
SH 1N	1350 S MAIN ST	0	0	2	0	1	3	1	67	33	\$4,927,937
SH 2	I MELLING LINK	4	13	17	8	13	55	48	25	33	\$4,926,642
SH 3	I RALEIGH ST	6	3	4	7	2	22	14	27	27	\$4,906,857
SH 2	I MAHARAKEKE ROAD	1	0	2	1	0	4	2	0	0	\$4,901,974
SH 2	I GIBBONS ST	0	4	5	5	6	20	14	30	25	\$4,898,953
SH 6	250 E BRIGHT ST	2	0	2	1	1	6	3	67	33	\$4,893,467
SH 50	1300 S MEEANEE ROAD	4	6	4	1	3	18	15	33	17	\$4,892,593
SH 1N	450 N BEACH ROAD	0	1	2	1	1	5	3	0	40	\$4,892,390
SH 29	80 N REDWOOD LANE	0	2	1	0	2	5	1	20	20	\$4,888,737
SH 3	500 S CLIFTON ROAD	2	5	1	0	0	8	6	88	38	\$4,880,811
SH 1N	I MARKET OFF NBD	13	22	22	15	19	91	73	27	41	\$4,880,278
SH 2	I MOROA ROAD	0	2	2	0	0	4	2	0	50	\$4,874,452
SH 6	I GLEN ROAD	3	0	1	3	0	7	5	29	29	\$4,869,778
SH 26	I ROACHE ROAD	1	4	0	2	2	9	7	44	56	\$4,866,893
SH 2	400 S STANLEY ROAD	0	2	2	0	1	5	2	40	60	\$4,861,712
SH 2	400 W MOONSHINE HILL ROAD	3	0	0	2	1	6	4	0	67	\$4,851,824
SH 1N	I AIRLIE OFF NBD	4	2	1	0	0	7	6	14	43	\$4,843,469
SH 39	400 N BELL ROAD	1	1	1	3	1	7	4	29	29	\$4,839,186

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
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**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 2	4100 E STANLEY ROAD	0	2	1	2	1	6	4	33	33	\$4,839,105
SH 2	200 N WELCOME BAY ROAD	1	2	2	1	2	8	7	25	13	\$4,829,713
SH 56	I WALKERS ROAD	3	3	0	0	0	6	4	17	0	\$4,825,018
SH 2	2000 N KIRIWHAKAPAPA ROAD	1	1	0	1	1	4	2	50	0	\$4,821,614
SH 22	I WHANGAPOURI ROAD	1	4	2	2	2	11	7	36	36	\$4,817,974
SH 1N	1000 N ISLAND BLOCK ROAD	5	0	1	0	0	6	3	50	50	\$4,813,721
SH 1N	I DUKE ST	0	1	0	2	4	7	3	0	14	\$4,808,810
SH 2	A MAUNGATAPU BR N	0	0	3	1	1	5	3	60	60	\$4,798,591
SH 2	5 S DOMAIN ROAD	3	3	4	4	1	15	14	47	47	\$4,791,686
SH 1N	I GREENLANE ON NBD	18	16	21	22	17	94	80	24	30	\$4,787,601
SH 30	I MAUNDER ROAD	2	1	0	1	1	5	3	0	20	\$4,782,727
SH 54	I WAITUNA TAPUAE ROAD	1	1	2	1	0	5	3	20	100	\$4,778,991
SH 2	160 W HAURAKI ROAD	2	1	1	0	2	6	3	33	17	\$4,769,007
SH 57	100 S HEATHERLEA EAST ROAD	0	7	1	1	0	9	6	33	78	\$4,765,374
SH 2	200 N WAINUI ROAD	0	1	2	1	0	4	2	0	25	\$4,763,712
SH 57	900 S BUCKLEY ROAD	1	2	0	0	0	3	0	0	0	\$4,761,820
SH 1N	350 N ONSLOW ST	2	2	0	2	3	9	3	44	78	\$4,761,188
SH 3	I MAHOETAHI ROAD	1	1	0	3	1	6	2	50	17	\$4,759,792
SH 8	A LINDIS PASS SUMMIT	0	2	0	2	1	5	4	0	20	\$4,747,066
SH 2	I TURNER ROAD	0	1	1	2	1	5	4	40	40	\$4,744,126
SH 3	200 N HILLS ROAD	2	1	0	0	0	3	2	33	33	\$4,743,825
SH 5	8250 W MARAEROA ROAD	0	1	1	2	0	4	0	50	0	\$4,739,280
SH 34	I OTAKIRI ROAD	1	1	0	2	0	4	2	0	25	\$4,737,150
SH 2	I KAIRUA ROAD	1	2	4	1	1	9	5	22	33	\$4,735,803
SH 1N	1530 N ARMITAGE ROAD N	2	2	0	0	0	4	1	25	50	\$4,735,776
SH 8	A SLAUGHTERHOUSE CRK B	0	1	0	2	0	3	1	0	33	\$4,731,937
SH 5	1460 S WHAREPAPA ROAD	0	2	1	0	0	3	1	33	33	\$4,731,856
SH 3	I KAIPAKI ROAD	1	1	1	1	1	5	2	40	60	\$4,729,494
SH 1S RUSSELY	I AVONHEAD ROAD	0	0	3	5	1	9	5	11	11	\$4,724,124
SH 1N	370 N WATERFALL ROAD	1	0	2	1	0	4	3	0	50	\$4,721,171
SH 1N	I GORTON ROAD	2	1	1	0	1	5	3	40	60	\$4,716,986
SH 1S	500 N STONY CREEK ROAD	1	1	1	1	0	4	3	50	50	\$4,711,187
SH 16	I ST LUKES OFF WBD	2	3	3	3	3	14	13	29	50	\$4,709,789
SH 22	I DRURY OFF SBD	5	0	4	5	1	15	12	13	20	\$4,709,071
SH 30	700 N TE RAHU ROAD	1	0	0	1	2	4	3	0	25	\$4,708,247
SH 6	300 N HOLLAND ST	0	2	0	0	1	3	1	67	67	\$4,705,396
SH 2	280 W LOOP ROAD W	0	2	0	1	0	3	1	33	67	\$4,702,537
SH 1N	2000 N ARARIMU OBR	2	0	1	4	1	8	4	38	63	\$4,700,904
SH 5	2000 N DANSEY ROAD	1	1	0	0	1	3	1	33	100	\$4,700,394
SH 1N	600 S SH 54	1	0	0	2	0	3	1	0	0	\$4,699,597
SH 30	170 S WAIPAPA ROAD	1	3	0	0	0	4	1	25	25	\$4,696,576
SH 73	150 W BARRINGTON ST	1	2	1	3	1	8	4	13	38	\$4,694,943
SH 3	700 N RANGITATAU EAST ROAD	2	1	0	1	0	4	3	75	50	\$4,690,526
SH 1N	I MILL ON NBD	1	1	3	1	3	9	6	44	78	\$4,688,280
SH 45	600 N PLYMOUTH ROAD	0	3	0	0	0	3	1	0	100	\$4,687,756
SH 29	I NGAMUWAHINE ROAD	0	1	2	0	1	4	3	50	50	\$4,678,051
SH 1B	500 N PEACH ROAD	1	1	0	0	2	4	2	0	50	\$4,677,554
SH 16	I LINCOLN OFF WBD	15	18	16	13	16	78	54	24	18	\$4,676,578
HUTT ON NBD	I CENTENNIAL SLIP ROAD	9	17	20	12	17	75	54	45	37	\$4,674,944
SH 2	320 S OHIWA BEACH ROAD	1	1	1	0	0	3	2	33	0	\$4,673,369

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1S	I	GLADFIELD ROAD	2	0	1	0	3	6	2	0	33	\$4,672,470
SH 2		500 W OMEHEU ROAD	1	0	1	1	0	3	2	33	67	\$4,671,490
SH 27	A	MANGAWHERO STM BR	3	2	0	0	0	5	4	80	40	\$4,670,178
SH 1N		1200 N KRAACK ROAD	3	1	2	1	0	7	3	43	43	\$4,668,864
SH 2	I	MANOEKA ROAD	0	0	1	0	2	3	2	67	33	\$4,668,734
SH 6		800 E ROARING MEG	1	0	1	1	0	3	0	0	67	\$4,666,760
SH 12		300 N WHARF ROAD	0	2	1	1	0	4	1	25	75	\$4,662,147
SH 16	I	KENNEDYS ROAD	2	3	1	0	2	8	5	50	63	\$4,660,078
SH 4		250 N KAIWHAIKI ROAD	2	0	1	0	0	3	2	0	33	\$4,651,890
SH 1N	I	OTAIHANGA ROAD	7	6	4	4	4	25	13	32	32	\$4,650,865
SH 3		9200 S PAEKAKA ROAD	2	1	0	0	0	3	1	67	0	\$4,643,554
SH 2		100 S JACKSON ROAD	1	1	0	0	1	3	1	33	33	\$4,640,797
SH 26		960 S CADMAN ROAD	1	1	1	0	0	3	1	0	67	\$4,640,797
SH 31	I	KAWHIA ROAD	1	1	1	0	0	3	1	67	33	\$4,640,797
SH 2		400 N KEREPEHI TOWN ROAD	1	0	1	0	1	3	1	33	0	\$4,638,837
SH 1N	I	AKERAMA ROAD	1	0	2	3	4	10	4	90	10	\$4,637,387
SH 39	I	WALSH ROAD	0	1	2	0	1	4	2	25	50	\$4,636,394
SH 2		200 N ONEHUNGA ROAD	0	1	1	0	1	3	1	0	0	\$4,633,657
SH 3		400 S PAEKAKA ROAD	1	1	3	0	0	5	4	60	20	\$4,624,464
SH 5		1300 E CAROLINE DRIVE	1	0	1	2	0	4	3	0	25	\$4,624,151
SH 1N		180 S TE HOUHOU ROAD	1	4	0	0	0	5	2	60	60	\$4,622,511
SH 1N	I	CHURTON PARK OFF NBD	1	2	4	5	6	18	16	50	39	\$4,618,504
SH 74 TUNNEL	I	SCRUTTONS ON EBD	2	4	1	0	0	7	3	0	57	\$4,616,746
SH 16		500 S RIMMER ROAD	1	2	2	1	1	7	4	86	43	\$4,616,645
SH 1S	I	DARROCHS ROAD	6	3	3	0	0	12	3	75	33	\$4,614,964
SH 3		800 N PUKENUI ROAD	1	1	1	0	0	3	1	67	33	\$4,602,394
SH 2	I	ELWOOD ROAD	1	1	0	3	2	7	6	29	43	\$4,599,530
SH 1S	A	RAKAIA RIV BR N ABT	1	2	3	0	2	8	6	13	13	\$4,594,915
SH 5		4710 W GALAXY ROAD	2	1	0	0	0	3	2	33	0	\$4,592,029
SH 1N		460 N KAIPARA FLATS ROAD	1	2	1	1	0	5	1	40	20	\$4,591,716
SH 1N		1240 S CENTENNIAL PARK ROAD	1	0	1	1	2	5	1	60	60	\$4,587,877
SH 1N		500 S WAYSIDE ACCESS ROAD	1	0	0	2	0	3	2	33	0	\$4,587,394
SH 23		550 E OTONGA VALLEY ROAD	1	0	0	0	2	3	2	0	33	\$4,587,394
SH 25		2600 N WHANGAPOUA ROAD	1	0	1	0	1	3	2	33	0	\$4,587,394
SH 7	I	HURUNUI BLUFF ROAD	1	0	1	0	3	5	1	20	20	\$4,582,977
SH 1N		1860 W PUKETIRAU ROAD	2	1	1	0	2	6	2	33	33	\$4,572,694
SH 2		1400 S ELLISON ST	1	2	3	1	1	8	4	13	38	\$4,568,523
SH 2	I	POMARE ROAD	1	8	2	2	1	14	10	36	50	\$4,561,379
SH 2	I	WAITANGI ROAD	3	0	3	1	0	7	3	14	29	\$4,551,350
SH 2		700 E CENTRAL ROAD	0	1	1	0	1	3	2	33	33	\$4,548,194
SH 1N		1300 N PAPAKURA OFF SBD	1	1	3	0	0	5	2	20	40	\$4,539,190
SH 1S	I	PENDARVES RAKAIA ROAC	1	1	0	2	2	6	3	17	50	\$4,535,869
SH 3		70 W STATION ROAD	1	0	3	1	1	6	2	67	67	\$4,529,390
SH 16	I	WATERVIEW OFF WBD	10	12	19	17	22	80	60	39	43	\$4,527,488
SH 3		400 N HANSENS LINE	0	1	1	2	3	7	4	43	71	\$4,514,806
SH 16	I	PATIKI ON WBD	13	16	18	15	12	74	62	20	30	\$4,514,009
SH 1N		670 N BOSHER ROAD	2	2	0	0	0	4	1	50	25	\$4,513,316
SH 16		500 E MATUA ROAD W	0	2	1	0	1	4	1	50	75	\$4,501,637
SH 1B	I	MARYCHURCH ROAD S	2	0	1	2	2	7	5	86	71	\$4,500,318
SH 1S		5000 N HENLEY-BERWICK ROAD	1	1	1	0	0	3	0	0	33	\$4,500,160

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 25A	600 E KIRIKIRI STM BR NO1	0	0	5	1	1	7	5	57	43	\$4,494,804
SH 1S	300 N CHINNERYS ROAD	0	1	0	3	0	4	2	0	50	\$4,494,294
SH 26	I HUBBARD ROAD	1	1	2	0	0	4	0	25	25	\$4,494,280
SH 3	I PUKEPAPA ROAD	2	1	0	0	0	3	1	0	33	\$4,491,654
SH 22	90 E WOODLYN DRIVE	1	0	2	0	2	5	3	40	20	\$4,490,871
SH 18	300 N BUCKLEY AVENUE	0	0	1	1	2	4	1	50	25	\$4,490,857
SH 4	1600 N TAPUIWAHINE ROAD	1	2	0	0	0	3	1	33	0	\$4,490,776
SH 4	50 S OLD PARAPARA ROAD S	2	1	0	2	0	5	4	0	60	\$4,490,721
SH 1N	1000 S MAHURANGI WEST ROAD	1	2	1	0	1	5	3	20	0	\$4,490,525
SH 57	300 W MILLRICKS LINE	2	0	2	0	2	6	3	33	33	\$4,481,684
SH 10	600 S PUKEWHAI ROAD	1	2	2	1	2	8	3	13	50	\$4,480,009
SH 2	1450 W SH 25	0	2	1	2	0	5	2	40	40	\$4,476,572
SH 24	700 N TE POI ROAD N	0	1	3	0	1	5	2	60	60	\$4,474,694
SH 3	100 N RANGITATAU EAST ROAD	1	1	4	1	0	7	5	29	43	\$4,467,100
SH 1S	I STATION ROAD	2	0	0	2	0	4	1	25	25	\$4,466,357
SH 1N	400 S ONEWA ON SBD	29	10	17	15	11	82	66	7	28	\$4,465,879
SH 1N	300 N PURIRI ROAD	1	2	1	2	0	6	4	33	50	\$4,464,562
SH 2	320 N COLLINS LANE	2	0	1	0	0	3	0	33	67	\$4,460,960
SH 73	200 E HIGHFIELD ROAD	1	0	0	1	1	3	0	33	33	\$4,459,980
SH 3	400 N ALLEN ROAD	0	1	2	2	1	6	4	33	67	\$4,459,926
SH 1N	330 N BAWDEN OBR	1	1	1	1	0	4	2	25	25	\$4,455,992
SH 1S	I ROBINSONS ROAD	2	1	0	0	2	5	3	20	40	\$4,455,509
SH 1N	300 N FOWLER ACCESS ROAD	4	1	1	0	1	7	5	14	29	\$4,455,028
SH 30A	I SH 30	1	7	9	2	4	23	20	22	9	\$4,453,948
SH 1S	20 S CHISNALLS ROAD	2	1	0	0	1	4	3	25	50	\$4,450,324
SH 1S	200 N SHARLANDS ROAD	0	2	1	0	1	4	2	0	25	\$4,446,192
SH 1N	60 N TE HANA RAIL OBR	0	3	0	2	0	5	4	40	20	\$4,441,225
SH 2	500 N DRUMPEEL ROAD	4	1	2	0	0	7	5	29	57	\$4,437,415
SH 50A	I IRONGATE ROAD	1	0	2	1	1	5	2	0	40	\$4,433,534
SH 1N	100 S VISTA ROAD	0	3	0	0	0	3	2	100	0	\$4,432,391
SH 49	150 E STOUTS ROAD	1	1	0	1	0	3	2	33	33	\$4,431,390
SH 1N	500 E ORUAWHARO ROAD	4	1	0	0	2	7	3	14	29	\$4,430,826
SH 1S	500 N CROSSES ROAD	0	1	1	1	2	5	4	40	60	\$4,430,526
SH 1N	I TRISTRAM ON SBD	13	16	13	9	18	69	55	30	25	\$4,429,273
SH 56	20 N WILSONS ROAD	0	1	0	1	1	3	2	0	33	\$4,428,634
SH 1N	I MARKET OFF SBD	26	17	17	14	21	95	78	20	36	\$4,421,561
SH 2	400 W STRANG ROAD	2	0	1	1	1	5	4	20	20	\$4,415,724
SH 1S	I COLDSTREAM ROAD	1	0	1	2	0	4	2	25	50	\$4,410,994
SH 1N	800 S SILVER HILL ROAD	0	0	2	0	1	3	1	67	67	\$4,410,497
SH 1S	500 N CHANEYS ON RAMP	1	0	0	0	2	3	1	0	100	\$4,407,374
SH 7	500 N FROG ROCK	0	1	1	1	0	3	1	67	67	\$4,406,496
SH 1S	A WAITAKI RIV BR REST ARE	0	0	1	2	0	3	1	0	0	\$4,404,617
ZIG ZAG ROAD	I SH 77	0	0	2	1	0	3	1	0	67	\$4,404,617
SH 1N	1700 N PALMER MILL ROAD	1	0	0	1	1	3	0	33	33	\$4,404,120
SH 1N	200 N VALERIE CLOSE N	1	1	0	1	1	4	3	50	50	\$4,403,386
SH 16	100 N STONEY CREEK ROAD	0	1	2	1	0	4	3	75	75	\$4,400,629
SH 56	500 S WILSONS ROAD	1	1	2	0	1	5	3	40	20	\$4,400,629
SH 2	I BOND ROAD	0	0	3	0	0	3	2	67	33	\$4,399,234
SH 35	200 N PARKINSON ST	0	0	2	0	1	3	2	33	67	\$4,399,234
SH 35	3610 N WAIHAU ROAD	0	0	1	1	1	3	2	33	33	\$4,399,234



**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non- Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	BOSHER ROAD	0	0	0	1	3	4	3	0	50	\$4,398,751
SH 75		1130 S HILLTOP HOTEL	1	0	1	1	1	4	3	0	75	\$4,394,647
SH 1S		100 S OHOKA OBR	0	1	1	0	2	4	3	0	25	\$4,393,769
SH 1S		500 N SOMERTON ROAD	0	1	1	2	0	4	3	50	50	\$4,393,769
SH 1N		1000 S TE RERE ROAD	0	0	2	1	1	4	2	50	50	\$4,384,534
SH 1S ASHWORTHS		650 S GRAYS ROAD	3	0	0	0	0	3	1	33	67	\$4,382,874
SH 3	I	JAMES LINE	2	1	1	0	2	6	5	33	33	\$4,382,636
SH 1N		2000 S DEACONS ROAD	1	0	3	1	1	6	5	33	33	\$4,378,001
SH 2		1000 N BOUNDARY ROAD	0	1	2	2	1	6	4	50	67	\$4,376,626
SH 1N		500 S EAST MINE ROAD	1	2	1	0	1	5	4	0	80	\$4,376,362
SH 1S		950 S KINGS ROAD	1	0	0	0	2	3	1	0	0	\$4,374,237
SH 16		20 S KANOHI ROAD	0	2	1	0	0	3	2	0	67	\$4,365,832
SH 2		150 E IRISH ROAD	0	2	0	1	0	3	2	0	33	\$4,365,751
SH 2		570 E PINNACLE HILL ROAD	1	0	2	0	0	3	2	0	0	\$4,364,750
SH 1N		1220 N CROWTHER ROAD	0	1	1	1	0	3	2	100	0	\$4,363,954
SH 1N	I	L PHILLIPS ROAD	0	1	0	1	1	3	2	33	33	\$4,363,872
SH 1N		3000 S WAYBY VALLEY ROAD	0	0	2	0	1	3	2	100	100	\$4,361,994
SH 17	I	FOLEY QUARRY ROAD	1	0	0	2	0	3	0	0	33	\$4,361,000
SH 1S		700 N FAIRFIELD ROAD WEST	1	1	0	1	0	3	2	0	33	\$4,359,769
SH 73	A	JOINERS CUTTING	0	2	0	1	0	3	2	67	0	\$4,358,891
SH 57		1000 N POTTS ROAD	1	1	1	0	1	4	2	50	75	\$4,356,829
SH 1S		620 N BLUE DUCK ROAD	0	0	1	1	1	3	2	0	33	\$4,355,134
SH 1N		750 S HORAHORA ROAD	1	1	0	1	0	3	1	33	33	\$4,354,556
SH 1N		1000 N WEST ROAD	1	1	0	1	0	3	1	0	67	\$4,354,556
SH 57		600 S SH 56	0	1	2	1	0	4	2	50	25	\$4,354,072
SH 1N		200 S SETTLEMENT ROAD	2	1	1	0	0	4	0	25	75	\$4,353,160
SH 50		350 N HAKIWAI ROAD	2	1	1	0	0	4	2	0	25	\$4,352,990
SH 3		1600 N MANGAORONGO ROAD	1	0	2	0	0	3	1	0	33	\$4,352,677
SH 1N		2600 S FERGUSSON GULLY ROAD	1	0	0	1	1	3	1	33	0	\$4,350,534
SH 1N	I	KINLOCH ROAD	1	0	1	1	0	3	1	33	0	\$4,350,534
SH 29		2200 S TOTMAN ROAD	1	0	0	1	1	3	1	67	0	\$4,350,534
SH 31		470 S TIHIROA ROAD	1	0	0	1	1	3	1	100	67	\$4,350,534
SH 39		200 E WINDLEBORN ROAD	1	0	1	0	1	3	1	67	100	\$4,350,534
SH 5		1150 E PALMER MILL ROAD	0	1	1	0	1	3	1	33	33	\$4,349,656
SH 1N	I	PARKDALE ST EAST	0	0	1	1	1	3	1	67	0	\$4,347,777
SH 2		300 S FORD ROAD	0	0	1	2	0	3	1	67	67	\$4,347,777
SH 2		2000 E MONUMENT ROAD	0	0	2	0	1	3	1	0	33	\$4,347,777
SH 39		1190 S FINLAYSON ROAD	0	0	1	1	1	3	1	67	33	\$4,347,777
SH 5		460 S PIRIPIRI ROAD	0	0	1	2	0	3	1	67	67	\$4,347,777
SH 2		400 N CORBY ROAD	1	1	0	3	0	5	4	60	20	\$4,343,123
SH 1N		310 N HEMI ST	2	3	1	4	1	11	9	36	9	\$4,341,606
SH 2	I	TAINUI ROAD	1	1	0	0	1	3	2	0	33	\$4,341,332
SH 58		2000 N SH 2	1	1	3	1	3	9	6	56	22	\$4,337,440
SH 1N		4190 W REREAHU AVENUE	0	2	0	1	1	4	3	25	25	\$4,336,848
SH 5		600 E KIDDLE DRIVE	0	1	2	0	1	4	3	0	75	\$4,334,969
SH 5		8000 N GLENGARRY ROAD	1	1	1	0	0	3	0	67	0	\$4,333,560
SH 2	I	TAPAIRU ROAD	1	1	2	1	0	5	4	20	40	\$4,332,526
SH 50		1500 N MEEANEE ROAD	2	0	2	2	0	6	5	17	50	\$4,328,818
SH 1S		500 N CROWES ROAD	1	0	1	1	0	3	2	67	67	\$4,324,754
SH 3	I	PENNY ROAD	0	2	0	0	1	3	1	33	0	\$4,323,196

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non- Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N		1400 N ACCESS ROAD NO 17	0	1	1	1	0	3	1	33	67	\$4,321,317
SH 2		1700 E PINNACLE HILL ROAD	2	0	0	0	1	3	1	33	33	\$4,319,357
SH 4		1700 N FIELDS TRACK	1	0	1	0	1	3	1	67	0	\$4,318,194
SH 1S	I	MORNINGTON ROAD	1	4	2	3	0	10	5	30	30	\$4,317,414
SH 4		250 S TUNANUI ROAD	0	1	2	0	0	3	1	0	0	\$4,317,316
SH 57	I	SLIP ROAD	0	1	1	0	1	3	1	33	33	\$4,317,316
SH 5		90 W YULE ROAD	3	0	0	0	0	3	1	67	67	\$4,316,234
SH 1N	I	SCHOOL ROAD	1	1	2	1	2	7	3	14	29	\$4,315,451
SH 4	A	PIRIAKA OBR	0	0	2	1	0	3	1	33	0	\$4,315,437
SH 5		1600 E WAITARA ROAD	2	0	0	0	1	3	1	33	33	\$4,313,477
SH 2	I	SYDNEY ST	1	1	0	0	1	3	1	33	67	\$4,310,456
SH 17	I	RED BEACH ROAD	8	3	5	1	2	19	15	0	37	\$4,304,727
SH 57		900 W SCOTTS ROAD	0	0	1	2	1	4	3	0	25	\$4,301,731
SH 2		1000 E IWITEA ROAD	0	0	1	0	3	4	2	0	25	\$4,301,234
SH 31		10 N MANGAMAHOE ROAD	1	1	1	0	0	3	2	67	33	\$4,300,969
SH 27		250 S OHINEWAI ROAD	0	2	1	0	0	3	2	67	0	\$4,300,091
ORCHARD EAST ROAD	I	SH 2	1	0	1	0	1	3	2	33	0	\$4,299,090
SH 1N	I	JONES ROAD	1	0	1	0	1	3	2	100	33	\$4,299,090
SH 25		1500 S TE KOUMA ROAD	1	0	0	0	2	3	2	33	0	\$4,299,090
SH 27		770 N MANGAWHERO ROAD	1	0	0	2	0	3	2	0	0	\$4,299,090
SH 39		1180 N BLACKETT ROAD	1	0	1	1	0	3	2	33	0	\$4,299,090
SH 5		3430 E MATEA ROAD	1	0	2	0	0	3	2	67	33	\$4,299,090
SH 39		200 N HIGGINSON ROAD	0	0	1	1	1	3	2	0	67	\$4,296,334
SH 50A		2000 S LINKS ROAD	1	0	1	1	1	4	3	50	75	\$4,293,891
SH 10	I	PAIRATAHI ROAD	1	0	0	2	2	5	2	40	40	\$4,290,454
SH 5		900 N HILL ROAD	1	0	2	2	0	5	4	60	100	\$4,289,304
SH 1N	I	POIHIPI ROAD	4	5	10	9	6	34	17	29	18	\$4,286,414
SH 10		600 S SH 11	1	0	0	4	2	7	2	43	71	\$4,283,594
SH 2		560 S WAIKAREAO ROAD	1	1	1	0	0	3	1	0	33	\$4,282,117
SH 29		5 S GIRVEN ROAD	3	4	4	2	4	17	15	0	24	\$4,272,390
SH 2		2580 W THE CRESCENT	1	1	1	0	0	3	1	33	33	\$4,271,256
SH 50		600 S KENNEDY OFF NBD	1	1	1	0	0	3	1	0	33	\$4,271,256
SH 2B		920 N PREBENSEN DRIVE	1	0	0	0	2	3	1	0	0	\$4,267,234
SH 1N	I	SPOONERS HILL ROAD	0	1	1	0	1	3	2	0	67	\$4,266,852
SH 2		40 W MARTIN ROAD	0	1	0	0	2	3	2	0	67	\$4,266,852
SH 22		330 W BYCROFT ROAD	1	1	0	0	1	3	2	33	100	\$4,265,872
SH 47	I	SH 48	0	0	0	1	2	3	2	0	33	\$4,264,974
SH 2		450 S POUKAWA ROAD	0	0	0	1	2	3	1	33	0	\$4,264,477
SH 2		2000 S MARINE PARADE	0	0	3	0	1	4	3	0	25	\$4,249,791
SH 2	I	TE PAIRU ROAD	0	0	1	2	1	4	3	50	50	\$4,249,791
SH 16	A	ST LUKES ROAD	12	13	4	16	15	60	43	37	35	\$4,242,886
SH 1S		460 N STACES ROAD	0	1	2	1	0	4	1	0	50	\$4,241,937
SH 1N	I	SNAKE HILL ROAD	1	2	1	3	0	7	3	57	43	\$4,233,049
SH 2		1000 S MELLING LINK	0	1	5	2	1	9	8	44	67	\$4,231,614
SH 2		490 W KIWI VALLEY ROAD	0	0	0	2	1	3	2	0	67	\$4,213,034
SH 6		1060 S MOUNT RILEY ROAD	1	1	0	0	2	4	2	50	25	\$4,193,250
SH 1N		550 W GREY ST	3	1	2	2	1	9	7	56	22	\$4,190,072
SH 1N		500 N FANSHAWE OBR	28	18	15	7	12	80	69	18	21	\$4,188,969
SH 1N		500 S TE MOANA ROAD	0	2	2	1	2	7	4	0	43	\$4,174,967
SH 1N		1200 N TARAKIHI ROAD	2	0	0	0	1	3	1	33	0	\$4,166,477

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	STAFFORD OFF NBD	23	21	23	14	14	95	83	20	24	\$4,153,397
SH 2		150 S RIMUTAKA SUMMIT	3	4	4	3	2	16	9	56	31	\$4,151,303
SH 1S		370 S ELTERWATER NO 2 BR	1	1	0	0	1	3	1	0	67	\$4,148,654
SH 60	I	MOANA ROAD	0	1	1	1	0	3	1	0	0	\$4,145,897
SH 14		600 E KOKOPU BLOCK ROAD	1	1	1	2	1	6	3	33	17	\$4,140,031
SH 6		500 W CABLE BAY ROAD	1	2	0	1	0	4	3	25	0	\$4,135,846
SH 1N	I	SALMON ROAD	0	0	2	1	3	6	3	0	33	\$4,134,151
SH 1S		230 E MILL ROAD NORTH N	3	0	2	0	0	5	2	60	60	\$4,129,550
SH 1N VIVIAN	I	WILLIS ST	13	7	7	2	5	34	25	12	47	\$4,128,825
SH 1N		1000 N ARTILLERY ROAD	2	1	1	2	1	7	5	71	14	\$4,123,998
SH 1N CALABAR	I	WEXFORD ROAD	4	3	2	3	4	16	11	25	31	\$4,120,540
SH 14	I	PUKEATUA ROAD	0	2	0	2	0	4	0	50	100	\$4,118,940
SH 1N		1100 S MAUNGAKARAMEA ROAD	0	0	1	3	3	7	5	43	14	\$4,116,524
SH 1N		200 S BEACH ROAD	2	1	2	0	1	6	5	17	50	\$4,109,916
SH 12		500 E WAIMATENUI ROAD	0	2	1	0	2	5	2	0	60	\$4,104,254
SH 6		450 S TUI GLEN ROAD	0	1	1	0	1	3	2	0	67	\$4,104,172
SH 2		950 N NORTH ST	2	0	2	0	0	4	2	0	25	\$4,103,090
SH 60	I	HARLEY ROAD	1	0	1	0	1	3	2	33	33	\$4,100,334
SH 45	I	KETEMARAE ROAD	3	2	1	1	0	7	4	14	43	\$4,086,282
SH 1N		300 S SALEYARDS ROAD S	1	1	2	2	0	6	4	50	50	\$4,084,403
SH 1N		250 N AOTEA ON NBD	8	6	9	1	4	28	16	21	29	\$4,073,973
SH 1N		5000 S TARAKIHI ROAD	0	1	1	1	1	4	1	25	0	\$4,062,597
SH 10		100 N WAIARE ROAD	3	1	0	1	0	5	3	40	60	\$4,054,323
SH 2		620 S AHIKOUKA ROAD	1	1	1	0	0	3	1	0	33	\$4,041,037
SH 58		400 E MOONSHINE ROAD	1	1	0	0	1	3	1	33	67	\$4,040,854
SH 1N	I	KARETOTO ROAD N	10	5	2	9	8	34	21	21	15	\$4,028,070
SH 26	I	SH 27	0	1	3	0	4	8	6	25	25	\$4,016,839
SH 3 DEVON	I	MANGATI ROAD	5	3	6	4	3	21	10	29	24	\$4,016,075
SH 1N		1400 N TAWA ON NBD	1	1	1	0	0	3	2	100	0	\$4,013,829
SH 1N		500 S GEORGE ST	1	1	2	0	0	4	2	25	75	\$4,012,052
SH 10		600 N SH 11	0	1	0	0	3	4	2	0	25	\$4,008,132
SH 1N		980 W WAIKARAMU ROAD	0	0	0	2	2	4	2	0	25	\$4,006,254
SH 1N		500 S RICHARDS ROAD	3	2	0	0	0	5	4	20	20	\$4,003,676
SH 1S	I	MOTU RIMU ROAD	3	1	2	0	2	8	7	50	38	\$3,999,368
SH 1N		100 N TYERS ROAD	6	11	11	13	4	45	31	58	20	\$3,990,293
SH 1S		20 W BALLAST ROAD	0	1	1	1	0	3	1	67	33	\$3,986,157
SH 1N		50 N FLETCHER ST	1	1	1	0	0	3	1	33	33	\$3,984,967
SH 1S	I	GREEN POINT ROAD	1	0	0	0	2	3	1	33	33	\$3,984,014
SH 1S		350 N BAY VIEW ROAD	0	1	1	0	1	3	1	67	0	\$3,983,136
SH 25		100 N KURANUI EUREKA ROAD	2	0	1	0	0	3	1	33	33	\$3,981,957
SH 6		120 S NAYLOR ROAD	0	0	0	2	1	3	1	0	33	\$3,981,257
SH 1N		2000 N RUAPEKAPEKA ROAD	1	1	1	0	0	3	1	0	67	\$3,974,214
SH 1N		1060 S FAIRBURN ROAD	1	0	1	0	1	3	1	0	0	\$3,973,417
SH 1N		1000 E OLD BAY ROAD	0	2	1	0	0	3	1	33	33	\$3,973,336
SH 14		1500 W OTUHI ROAD	1	0	2	0	0	3	1	33	0	\$3,972,254
SH 1N		1550 W PUHIPUHI ROAD	1	0	1	1	0	3	1	33	0	\$3,972,254
SH 14		1000 W PAERATA ROAD	0	1	0	1	1	3	1	67	67	\$3,971,457
SH 1S	I	BAY VIEW ROAD	0	1	1	1	1	4	1	0	50	\$3,964,597
SH 94	A	DONNE RIV BR	0	1	1	2	0	4	3	50	0	\$3,959,629
SH 14		2000 N AWAKINO POINT NORTH R	1	1	1	1	0	4	3	25	25	\$3,959,527

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 7	1500 N SMITH ST	0	0	0	1	3	4	2	50	50	\$3,957,254
SH 1N	100 N HEWLETT ROAD	0	1	3	0	0	4	3	50	25	\$3,956,771
SH 1N	200 S NORTHCOTE OBR	18	21	14	12	17	82	64	37	22	\$3,952,190
SH 1N	I WAIKARAMU ROAD	0	0	2	1	1	4	3	50	50	\$3,951,871
SH 56	400 W MAXWELLS LINE	1	0	0	1	1	3	0	33	100	\$3,943,960
SH 3	460 W WHAREROA ROAD	0	1	1	3	0	5	3	0	80	\$3,941,989
SH 1N	I SYMONDS ON SBD	17	9	23	12	14	75	64	27	31	\$3,925,061
SH 1S	I BRYDONE-GLENCOE ROAL	0	2	0	1	0	3	2	0	67	\$3,924,751
SH 96	650 E RYAN ROAD	0	2	1	0	0	3	2	0	67	\$3,924,751
SH 94	360 W CHEWINGS ROAD	1	0	2	0	0	3	2	0	67	\$3,923,750
SH 1S	950 E HANKEY ROAD	0	1	0	0	2	3	2	67	33	\$3,922,872
SH 3	200 N DALZIELL ROAD	0	1	1	1	0	3	0	0	33	\$3,921,960
SH 1S	100 N FAULKNER ROAD	0	0	1	1	1	3	2	0	0	\$3,920,994
SH 6	630 E BRIGHT ST	0	0	1	1	1	3	1	33	0	\$3,920,497
SH 1N	500 N MOUNTFIELD ROAD	0	1	1	1	0	3	2	67	33	\$3,916,992
SH 1N	2200 S HOUHORA HEADS ROAD	0	1	0	2	0	3	2	0	0	\$3,916,992
SH 10	I MATAURI LINK ROAD	0	0	1	1	1	3	2	33	67	\$3,915,114
SH 1N	350 N HEWLETT ROAD	0	0	2	1	0	3	2	0	33	\$3,915,114
SH 2	I BELVEDERE ST	2	0	2	4	3	11	8	0	27	\$3,910,246
SH 45	400 W KEARIN ROAD	1	0	0	1	2	4	2	50	50	\$3,910,214
SH 3	700 E EGMONT ROAD S	2	0	0	0	2	4	2	25	50	\$3,908,867
SH 12	I FRANKLIN ROAD	0	1	1	1	0	3	2	67	33	\$3,903,073
SH 57	I MOONSHINE VALLEY ROAL	2	2	0	1	0	5	4	60	60	\$3,875,095
SH 2	I WHAKATIKI ST	3	4	4	5	7	23	13	22	22	\$3,869,069
SH 1N	I MT WGTN ON NBD	18	22	15	17	19	91	82	29	21	\$3,867,703
SH 1N	I UPPER HWY ON SBD	11	10	13	16	17	67	51	30	24	\$3,866,966
SH 3	I ROTOKARE ROAD	0	0	2	0	1	3	1	33	67	\$3,866,597
SH 1N	25 N WAITAHANUI BR	0	0	2	2	0	4	3	25	50	\$3,840,290
SH 3	I SMITHFIELD ROAD	3	1	0	0	1	5	3	20	20	\$3,832,712
SH 1N	I NORTHCOTE ON NBD	11	15	19	4	15	64	47	33	27	\$3,816,613
SYMONDS ST	I GRAFTON BRIDGE	7	8	0	0	1	16	12	13	31	\$3,810,634
SH 73	50 E GASSON ST	1	0	2	0	0	3	1	0	0	\$3,803,964
SH 1N	I ONEWA OFF SBD	15	28	12	6	18	79	63	24	25	\$3,794,271
SH 6	600 S MILLAR ST	1	3	0	0	0	4	2	75	75	\$3,793,329
SH 1N	I HIGHBROOK ON SBD	12	8	10	11	10	51	36	31	31	\$3,789,633
SH 20	I GREAT SOUTH ROAD	22	19	26	15	24	106	95	18	37	\$3,780,981
SH 96	600 W SPRINGHILLS-TUSSOCK CI	2	0	0	0	2	4	2	50	0	\$3,774,974
SH 16	960 S PRICTOR ROAD	1	0	0	0	2	3	2	33	33	\$3,766,566
SH 20	I ONEHUNGA OFF SBD	19	8	6	8	11	52	39	25	15	\$3,764,743
SH 74 DYERS	I LINWOOD AVENUE	2	5	5	3	6	21	8	14	33	\$3,748,484
SH 16	I LINCOLN OFF EBD	16	15	13	9	18	71	59	28	30	\$3,748,442
SH 1N	I SPRINGFIELD ROAD	3	0	3	3	4	13	7	31	23	\$3,746,712
SH 2	I MAORIBANK GROVE	0	1	1	2	1	5	3	60	20	\$3,725,700
SH 1S	I LINDISFARNE ST	3	3	3	2	5	16	9	31	25	\$3,719,602
SH 16	I 1 LINK 16	15	13	12	9	13	62	46	35	47	\$3,680,863
SH 2	1700 N RIMUTAKA SUM	6	3	4	3	7	23	15	65	26	\$3,601,999
SH 1N	50 S GOA ST	1	0	1	0	1	3	2	0	33	\$3,599,973
SH 1N	A TAWA OFF NBD	5	5	6	4	3	23	16	35	35	\$3,568,395

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**

 Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 30A	200 S PUKUATUA ST	1	1	2	1	1	6	4	17	83	\$3,557,776
SH 20	I ONEHUNGA OFF NBD	16	7	5	6	12	46	32	33	41	\$3,540,287
TRISTRAM ON SBD E	I TRISTRAM AVENUE	11	11	14	12	12	60	43	38	42	\$3,532,698
SH 1N	I TITIRAUPENGA ST	2	0	1	1	1	5	3	20	20	\$3,525,704
OLD NORTH ROAD	I SH 17	1	3	1	2	1	8	5	38	25	\$3,500,408
SH 20	100 E QUEENSTOWN OBR	15	13	6	11	3	48	38	29	21	\$3,484,190
SH 33	I SH 30	2	1	2	1	1	7	2	14	29	\$3,479,014
SH 1N	I KAIMANAWA ST	0	1	1	3	1	6	4	17	33	\$3,459,680
SH 1N	I 1 LINK 16	13	15	9	12	2	51	43	22	29	\$3,447,925
SH 36	500 S TE MATAI ROAD	0	2	1	2	2	7	2	57	29	\$3,423,154
SH 2	I WATCHMAN ROAD	5	6	2	6	6	25	14	4	8	\$3,417,873
SH 29	300 N OMANAWA ROAD	3	1	1	1	1	7	4	29	43	\$3,403,120
SH 33	5900 N MANIATUTU ROAD	2	2	2	2	0	8	5	75	50	\$3,398,900
SH 73A	50 W CURLETTS ROAD	0	2	2	0	2	6	5	33	17	\$3,393,712
SH 1N	I OTARA OFF NBD	15	16	11	7	11	60	48	28	28	\$3,385,376
SH 1N	80 E HALL ST	0	2	0	0	1	3	1	33	33	\$3,379,130
SH 16	I ROSEBANK ON EBD	7	10	10	8	10	45	34	40	47	\$3,373,786
SH 1S RISSLEY	I MEMORIAL AVENUE	1	5	7	4	7	24	15	17	17	\$3,345,244
SH 1N	50 S SH 16	0	1	1	1	0	3	1	0	0	\$3,330,970
BUTE ST	I SH 1N VIVIAN	2	2	1	0	1	6	3	0	17	\$3,310,766
SOUTH-EASTERN HIGHWAY	I SEART ON NBD	18	8	3	9	8	46	37	24	20	\$3,297,626
SH 12	I GLADSTONE ST	1	4	3	0	0	8	5	0	25	\$3,296,650
SH 1N	I UNION ST	0	0	0	1	2	3	2	0	67	\$3,295,040
SH 16	300 E ST LUKES OBR	9	15	12	7	6	49	42	31	29	\$3,291,957
SH 1N	500 S MANUKAU OFF NBD	7	7	9	7	8	38	24	42	24	\$3,258,403
SH 2	I FREDERICK ST	1	0	0	1	2	4	2	0	0	\$3,256,340
SH 44	50 E LAWRY ST	1	0	2	1	0	4	2	25	0	\$3,256,340
SH 1N	A PANAMA OBR	17	16	15	11	4	63	46	33	17	\$3,245,840
SH 1N	I TAREWA ROAD	4	1	2	1	3	11	10	36	45	\$3,241,558
SH 1S	I ECCLES ST	2	0	1	2	0	5	3	20	60	\$3,228,998
SH 1N	I OTAHUHU ON NBD	15	20	17	12	7	71	60	28	27	\$3,204,728
SH 1N	I MT WGTN OFF SBD	13	15	10	14	14	66	52	24	30	\$3,181,303
SH 2	800 W RIMUTAKA SUMMIT	9	6	8	8	1	32	25	56	16	\$3,168,475
SH 1N	300 W TAURIMA ST	0	1	1	1	0	3	2	0	33	\$3,156,580
SH 1N	150 S ROSS ROAD	4	1	0	3	2	10	6	40	50	\$3,125,793
SH 2	500 S HOROKIWI ROAD	5	9	6	13	8	41	26	37	34	\$3,107,619
SH 1S	200 N GRETA RIV CV	3	3	4	0	2	12	4	75	17	\$3,105,383
SH 73	I SH 75	3	4	4	2	1	14	8	36	29	\$3,077,711
SH 1N	I EVANS BAY PARADE	7	8	11	8	12	46	38	11	24	\$3,075,308
SH 20	I QUEENSTOWN OFF NBD	11	11	11	7	11	51	39	27	29	\$3,074,779
SH 73 BROUGHAM	I COLOMBO ST	7	10	7	10	9	43	31	33	51	\$3,073,123
SH 2	I AWATOTO ROAD	1	0	3	2	1	7	3	14	0	\$3,063,011
SH 1N	A OTAHUHU OFF NBD	18	10	16	11	5	60	44	27	35	\$3,059,824
SH 1N	I PORTLAND ROAD	1	4	7	4	3	19	12	37	21	\$3,036,940
SH 1S	I KENNINGTON ROAD	4	3	6	2	2	17	7	59	41	\$3,006,649
SH 74 ANZAC	I WAINONI ROAD	3	1	8	5	4	21	10	5	14	\$2,987,310
SH 2	I SH 33	1	0	7	1	10	19	14	21	11	\$2,956,573

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 17	I	COATESVILLE-RIVERHEAD	8	5	9	4	6	32	20	28	31	\$2,923,297
SH 2	I	PAKIPAKI OFF NBD	2	1	2	4	6	15	8	33	13	\$2,920,190
SH 1N	I	TAKANINI OFF NBD	5	8	10	7	13	43	27	30	33	\$2,910,555
SH 1S	I	MEMORIAL AVENUE	4	8	9	5	8	34	26	12	24	\$2,909,351
SH 2		500 S VAUGHAN ROAD	2	2	5	5	1	15	10	67	20	\$2,895,806
SH 5	I	SETTLERS ROAD	0	2	3	5	1	11	2	55	27	\$2,894,934
SH 1N		100 N NORTH PORTAL	7	6	1	5	5	24	15	29	4	\$2,863,973
SH 1N ALBERT	I	SH 1N QUEEN	2	4	3	5	6	20	15	45	25	\$2,861,715
SH 1N	I	HICKEY ROAD	1	3	2	6	0	12	7	0	58	\$2,846,275
SH 29	A	SH 1N	7	3	6	6	4	26	16	35	19	\$2,840,417
SH 1N	I	RAUMATI ROAD	1	6	0	4	9	20	10	25	20	\$2,838,767
MARSHLAND ROAD	I	SH 74	0	11	7	7	5	30	23	23	20	\$2,832,792
SH 1N		420 N TE HAPUA ROAD	0	2	0	3	1	6	2	0	17	\$2,823,312
SH 1N	I	WELLINGTON ON NBD	12	6	15	14	12	59	46	22	37	\$2,818,241
SH 3	I	TE MATAI ROAD	8	3	2	1	1	15	10	33	47	\$2,808,650
SH 1N	I	AOTEA OFF SBD	2	10	15	9	5	41	30	37	49	\$2,795,758
SH 1N	I	KAHIKATEA DRIVE	7	5	5	6	0	23	15	22	35	\$2,793,951
SH 5	I	WAIPA MILL ROAD	5	2	5	4	1	17	14	18	18	\$2,791,220
SH 1N		50 S MARKET OBR	13	10	5	7	7	42	30	21	45	\$2,787,515
SH 2		3000 E MERCHANT ROAD	3	4	9	2	4	22	15	45	9	\$2,780,242
SH 3	I	SH 3A	6	5	2	4	3	20	7	35	35	\$2,764,670
SH 1S	I	SH 79	3	1	1	0	3	8	4	0	0	\$2,755,604
SH 16		30 W BOND OBR	13	10	13	7	6	49	31	27	20	\$2,751,325
SH 16	I	TAUPAKI ROAD	5	8	8	9	7	37	21	8	5	\$2,749,456
SH 1N	I	SH 30 N	2	1	2	2	1	8	3	38	50	\$2,742,367
SH 1N		500 S CONSTELLATION OBR	9	11	21	7	6	54	40	22	28	\$2,725,762
SH 54	I	DERBY ST	4	3	6	3	1	17	7	18	18	\$2,725,000
SH 1N		250 S EAST TAMAKI OBR	6	9	11	11	20	57	45	32	30	\$2,706,209
SH 10	I	WAIMATE NORTH ROAD	3	2	1	1	4	11	5	27	18	\$2,705,141
SH 35	I	SPONGE BAY ROAD	0	1	2	0	0	3	1	0	0	\$2,691,297
SH 1N		50 S ST MARKS OBR	10	12	6	7	6	41	30	15	32	\$2,688,372
SH 2	I	PAHOIA ROAD	1	2	0	4	4	11	6	36	36	\$2,672,338
SH 1N	I	SHAKESPEARE ST	3	5	7	4	8	27	19	33	19	\$2,671,170
SH 30	I	MILL ROAD	5	3	3	1	1	13	10	23	23	\$2,646,072
SH 57	I	WALLACE ROAD	3	1	1	3	0	8	3	25	38	\$2,639,386
SH 1N		250 S PANAMA OBR	19	11	6	11	6	53	41	25	21	\$2,633,938
SH 1N		500 S SH 12	0	3	0	6	1	10	5	60	50	\$2,632,804
SH 2	I	BLOCK ROAD	8	12	13	13	9	55	44	40	24	\$2,632,262
SH 1N		100 S HUTCHINSON ROAD	3	0	1	3	1	8	3	63	25	\$2,627,707
SH 1N		400 S WAIPU GORGE ROAD	3	0	0	5	1	9	3	78	11	\$2,627,707
SH 1S	I	WAIKIAU EAST ROAD	2	0	2	0	2	6	2	50	50	\$2,617,410
SH 1N	I	MT WGTN ON SBD	10	13	15	10	8	56	45	30	36	\$2,615,450
SH 1N		750 E OTURERE BR	8	7	9	0	1	25	19	64	36	\$2,606,016
SH 1N		600 S PRINCES OBR	7	7	7	5	4	30	23	33	40	\$2,597,638
SH 36	I	CENTRAL ROAD	2	2	1	3	2	10	6	60	40	\$2,575,932
SH 71	A	CAM OFF RAMP NBD	4	4	5	2	4	19	12	32	21	\$2,564,396
SH 39	I	LIMMER ROAD	6	3	4	5	2	20	11	100	15	\$2,561,471

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 4	I	MAKOKOMIKO ROAD	3	6	0	0	1	10	4	60	60	\$2,554,542
SH 1S		1000 N RACECOURSE ROAD	2	0	0	1	1	4	1	0	25	\$2,553,397
SH 1N	A	CLIFTON ON NBD	6	11	4	7	6	34	26	41	38	\$2,546,530
SH 3	I	BLACKETT ROAD	0	4	2	0	0	6	1	50	83	\$2,540,657
SH 6	A	ARAHURA RIV BR	5	4	0	3	1	13	5	77	23	\$2,535,276
SH 1N	I	HUKA FALLS ROAD	4	2	4	6	3	19	12	21	0	\$2,531,873
SH 2	I	WHARAWHARA ROAD	1	2	2	0	6	11	8	36	18	\$2,516,512
SH 2		400 E RIMUTAKA SUMMIT	1	3	3	5	3	15	8	67	20	\$2,515,450
SH 1N		500 N FANSHAWE ON NBD	7	7	10	8	11	43	36	28	30	\$2,506,215
SH 1S MAIN NORTH	I	JOHNS ROAD	5	2	5	2	6	20	11	5	55	\$2,504,673
SH 1N	I	ESMONDE ON SBD	8	9	20	13	11	61	55	20	31	\$2,502,580
SH 17	I	WAINUI ROAD	8	9	6	7	2	32	18	34	31	\$2,500,106
SH 1N		1000 N TUKINO ACCESS	2	1	0	0	3	6	2	0	50	\$2,499,729
SH 7		900 E MAWHERA QUAY	4	3	0	0	5	12	4	58	33	\$2,492,964
SH 1N	I	TE IRIRANGI OFF SBD	9	12	7	8	11	47	32	34	38	\$2,476,779
SH 73 CURLETTS	I	BLLENHEIM ROAD	4	9	9	8	8	38	25	18	47	\$2,470,663
SH 1N	I	TRISTRAM OFF SBD	11	14	6	10	11	52	42	31	31	\$2,463,241
SH 1S	I	ROCKDALE ROAD	8	6	3	4	0	21	10	33	33	\$2,462,534
SH 2		100 N MORTON ROAD	4	1	2	1	0	8	5	38	38	\$2,461,836
SH 16		200 W OLD NORTH ROAD	2	3	3	4	1	13	7	31	31	\$2,457,849
SH 16	I	BRIGHAM CREEK ROAD	4	6	2	7	5	24	13	33	17	\$2,456,438
SH 1N		600 S STAFFORD OFF NBD	9	9	8	10	7	43	38	16	40	\$2,449,307
SH 1N		100 S SH 2	0	4	3	3	6	16	12	19	6	\$2,446,980
SH 29	I	SOLDIERS ROAD	1	0	2	1	4	8	5	50	13	\$2,445,624
SH 2	I	WAIHI OFF EBD	1	3	1	2	2	9	6	0	0	\$2,445,310
SH 20	I	MANUKAU ON SBD	4	5	2	9	15	35	26	17	29	\$2,433,755
SH 2	I	OWEN ST	4	0	3	2	5	14	8	43	50	\$2,430,088
SH 2		1900 W PAERATA RIDGE ROAD	0	0	1	2	3	6	2	83	17	\$2,419,634
SH 2	I	REA ROAD	1	1	2	2	1	7	4	43	29	\$2,407,704
SH 30	I	SH 34	1	0	2	0	4	7	4	14	29	\$2,391,927
SH 1N	I	HYDRO ROAD	1	6	2	6	1	16	9	44	19	\$2,376,808
SH 74 ANZAC	I	PAGES ROAD	0	9	6	6	0	21	10	14	33	\$2,376,008
SH 1N		400 S SH 2	2	4	4	2	3	15	12	20	20	\$2,364,212
SH 30		100 S SH 2	2	0	3	0	1	6	3	17	33	\$2,357,927
SH 1N		930 N KAIWAKA MANGAWHAI RO.	1	1	1	1	1	5	1	40	60	\$2,352,314
SH 29	I	GARGAN ROAD	1	0	1	2	3	7	5	43	14	\$2,346,461
SH 1S	I	BURNSIDE ON RAMP SBD	1	3	2	3	2	11	6	9	27	\$2,344,835
SH 10		840 N PAIRATAHI ROAD	2	1	0	0	2	5	2	40	20	\$2,343,010
SH 11		3000 E SH 10	1	2	0	2	0	5	2	0	80	\$2,341,050
SH 17		100 W SCHISCHKA ROAD	3	1	7	16	8	35	25	89	20	\$2,340,270
SH 14		200 E KARA ROAD	1	1	1	1	1	5	2	20	20	\$2,340,254
SH 34		500 E FLETCHER AVENUE	2	1	2	1	0	6	4	33	17	\$2,320,403
SH 1N	A	REAGAN OBR	10	5	10	10	12	47	36	36	36	\$2,314,481
SH 16		700 E ST LUKES OFF WBD	9	7	7	7	4	34	25	24	18	\$2,307,587
SH 10		500 S WAIPAPA ROAD	0	2	1	0	0	3	0	33	0	\$2,305,940
SH 1N	I	UPPER HWY OFF SBD	5	10	11	6	17	49	39	35	14	\$2,305,830
SH 1N	I	HIGHBROOK ON NBD	6	2	14	12	15	49	39	37	35	\$2,299,723

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	HAVELOCK ROAD	1	1	2	2	2	8	5	38	13	\$2,294,450
SH 2		500 E TE AUTE TRUST ROAD	2	0	3	1	0	6	2	33	33	\$2,294,194
SH 1N		1000 S GEORGE ST	1	1	2	0	1	5	3	60	40	\$2,284,707
SH 1N		1300 S MT WGTN OFF NBD	10	14	3	5	2	34	26	41	18	\$2,282,279
SH 17		150 S EAST COAST ROAD	4	1	0	2	2	9	4	11	11	\$2,281,896
SH 1N	I	ABATTOIRS ROAD	10	7	12	6	11	46	35	52	28	\$2,281,465
SH 1S RUSSELLY	I	RYANS ROAD	2	4	5	3	0	14	8	14	14	\$2,274,289
SH 1N	I	SANDFORD ROAD	1	1	1	0	0	3	0	0	0	\$2,266,740
SH 3	I	TREMAINE AVENUE	9	10	7	10	10	46	37	24	37	\$2,261,601
SH 54		500 W WAUGHS ROAD	1	0	1	1	1	4	1	0	25	\$2,261,357
SH 2		900 S FACTORY ROAD	1	1	1	0	1	4	1	25	50	\$2,260,377
SH 1N	I	PERRY ROAD	0	0	0	1	3	4	1	50	25	\$2,256,457
SH 1N	I	CHERRY LANE	3	2	4	3	5	17	13	18	18	\$2,254,928
SH 2	I	SH 50	1	3	0	1	0	5	2	20	40	\$2,254,831
SH 5		1500 E OTUROA ROAD	0	0	3	0	0	3	0	33	33	\$2,253,020
LINDEMANN ROAD	I	SH 2	0	1	0	1	2	4	1	0	50	\$2,251,557
SH 2		930 W PAERATA RIDGE ROAD	0	1	0	3	0	4	1	25	0	\$2,251,557
SH 45		730 W PLYMOUTH ROAD	0	1	2	0	0	3	0	33	33	\$2,250,080
SH 1N	I	TWIN STREAM ROAD	6	1	0	2	1	10	7	30	0	\$2,247,742
SH 1N		120 S TE IRIRANGI OBR	9	0	7	10	10	36	29	25	28	\$2,241,549
SH 1N	I	KILLARNEY ROAD	8	5	10	4	3	30	25	17	33	\$2,229,759
SH 10		1050 N SALVATION ROAD	1	1	0	1	0	3	1	33	33	\$2,226,077
SH 10		1400 W WHANGAROA ROAD	1	0	1	1	0	3	0	33	67	\$2,223,620
SH 1N		200 N OTARA OFF SBD	8	5	5	2	1	21	15	38	48	\$2,221,808
SH 12		690 W BRYNDERWYN ROAD	0	1	2	0	0	3	0	0	67	\$2,221,660
SH 1N		500 N MAHURANGI WEST ROAD	5	4	6	4	2	21	15	57	38	\$2,212,461
SH 1N		200 N FAIRBURN ROAD	1	1	1	0	0	3	1	0	67	\$2,211,194
SH 30	I	SH 34	1	2	0	0	1	4	2	50	25	\$2,205,912
SH 1S	I	AYLESBURY ROAD	2	1	5	4	2	14	9	14	21	\$2,195,487
SH 1N	A	JOHNSONVILLE ON SBD	8	16	10	3	9	46	35	54	30	\$2,193,742
SH 1N	I	FOREST LAKES ROAD	1	1	0	2	5	9	4	44	33	\$2,188,184
SH 1N	I	JOHNSONVILLE ON NBD	11	4	5	5	6	31	26	45	45	\$2,178,704
SH 1N	I	TAYLORS ROAD	2	1	3	2	2	10	7	20	30	\$2,174,792
HEBDEN CRESCENT	I	SH 58	1	0	1	4	3	9	4	22	11	\$2,173,484
SH 35		400 N SNELL ROAD	1	1	0	1	0	3	1	0	33	\$2,167,277
OHAUPO ROAD	I	SH 1N	14	10	15	10	10	59	49	19	39	\$2,161,693
SH 3		500 S FLYGERS LINE	0	1	1	2	1	5	2	20	60	\$2,155,804
SH 99		350 W PRICE ROAD	1	0	2	1	0	4	0	25	75	\$2,152,080
SH 1S	I	LEITH VALLEY ROAD	7	2	3	4	0	16	8	25	38	\$2,149,361
SH 3	I	EGMONT ROAD N	4	4	10	2	2	22	10	18	14	\$2,148,863
SH 1N		1000 N SHELLY BEACH OBR	14	10	8	6	8	46	38	15	22	\$2,148,511
SH 2		3000 S RIMUTAKA SUMMIT	2	1	1	3	2	9	5	56	56	\$2,139,783
SH 11	I	HARURU FALLS ROAD	1	0	0	2	0	3	1	0	100	\$2,135,734
SH 16	I	KAHIKATEA FLAT ROAD	2	0	1	1	3	7	3	29	14	\$2,132,624
SH 1S	I	REILLY ROAD	5	2	2	2	1	12	7	42	33	\$2,132,122
SH 6		300 S HOPE SDL	2	0	1	1	2	6	3	67	0	\$2,128,887
SH 2	I	DOMAIN ROAD	9	5	6	0	4	24	19	29	29	\$2,126,113



**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 94		400 S WALKER CRK BR	0	0	2	2	0	4	1	0	0	\$2,118,277
SH 29		50 E PYES PA ROAD	0	2	1	1	1	5	3	20	60	\$2,117,848
SH 30A	I	FENTON ST	18	7	7	13	2	47	37	30	28	\$2,111,819
WALTHAM ROAD	I	SH 73 BROUGHAM	2	9	4	6	2	23	12	17	35	\$2,100,248
SH 20B	I	ORRS ROAD	1	2	1	1	1	6	3	33	50	\$2,088,809
SH 16		500 E TE ATATU ON EBD EAST	6	4	7	8	4	29	20	24	31	\$2,087,174
SH 3	I	NELSON ST	0	4	4	3	3	14	9	43	43	\$2,086,728
SH 1S	A	RAKAIA RIV BR	1	5	3	5	1	15	13	13	13	\$2,085,429
SH 1N		2000 S GT SOUTH OBR	2	2	7	3	4	18	12	17	22	\$2,079,113
SH 1N	I	KAPITI ROAD	9	7	7	9	15	47	35	11	19	\$2,056,238
SH 2	I	ATHENREE ROAD	1	0	1	1	0	3	1	0	0	\$2,048,697
SH 1N	I	WHITFORD BROWN AVENL	6	8	8	5	2	29	25	31	24	\$2,047,294
SH 1N		1800 N PAEKAKARIKI HILL ROAD	3	2	0	0	0	5	2	0	0	\$2,045,887
SH 1S		400 E RACECOURSE ROAD	0	1	1	0	2	4	1	25	75	\$2,043,797
SH 3	I	TUHORO ST	1	1	2	1	1	6	1	0	33	\$2,035,804
SH 1N		1000 S MT WGTN OBR	7	6	7	9	3	32	27	44	38	\$2,033,832
SH 1S	A	PARITITAHU TNL	1	2	2	4	2	11	7	64	45	\$2,032,793
SH 16		300 W LINCOLN OBR	3	6	5	7	5	26	16	19	42	\$2,029,100
SH 1N		500 S FRETHEY DRIVE	0	1	3	5	2	11	7	73	55	\$2,024,238
SH 1N	I	TE KAUWHATA ROAD	5	8	5	7	4	29	23	31	38	\$2,015,205
SH 1N	A	FISHERMANS TABLE	1	2	1	1	2	7	4	29	29	\$2,013,765
TARANAKI ST	I	VIVIAN ST	2	8	6	5	2	23	16	17	39	\$2,011,439
SH 1N	I	HELENSLEE ON NBD	2	3	1	4	4	14	7	64	36	\$2,011,315
SH 73 CURLETT	I	MAIN SOUTH ROAD	3	6	6	5	7	27	19	19	26	\$2,010,289
SH 73		350 S PEGLEG CRK BR	0	3	0	0	3	6	2	17	50	\$2,009,912
SH 1S	I	CONCORD OFF WBD	5	4	8	1	3	21	9	33	14	\$1,997,800
SH 73A MAIN SOUTH		20 S EPSOM ROAD	8	5	7	4	5	29	22	21	17	\$1,991,779
SH 3		80 N WHANGAHEHU HOTEL ROAD	2	1	0	2	2	7	2	14	14	\$1,987,372
SH 1N		100 S ORAMS OBR	5	6	4	7	12	34	31	26	18	\$1,983,002
SH 1S	I	QUEENS DRIVE	10	8	7	5	11	41	28	34	32	\$1,981,009
SH 2		6000 W RENALL ST	1	2	0	1	2	6	4	83	17	\$1,975,443
SH 3		550 S BURGESS HILL ROAD	2	3	5	1	0	11	7	45	18	\$1,965,275
SH 74		300 S PORT HILLS OFF WBD	3	0	0	3	0	6	1	17	67	\$1,964,417
SH 8		650 E SH 90	0	1	1	1	1	4	1	50	50	\$1,960,497
SH 1N	I	ADELAIDE ROAD	5	9	12	17	10	53	45	19	32	\$1,959,312
SH 58		200 E JAMES COOK DRIVE	1	0	3	0	3	7	5	43	43	\$1,958,381
SH 1N	I	ST MARKS ON SBD	19	5	8	11	3	46	42	15	20	\$1,956,847
SH 2		80 N ATHENREE ROAD	3	2	4	4	5	18	13	56	33	\$1,951,311
SH 85	I	SPRINGVALE ROAD	1	1	1	1	0	4	1	25	0	\$1,941,796
SH 26		1100 W AVENUE ROAD SOUTH	0	0	4	2	3	9	6	33	78	\$1,939,461
SH 36	I	TAUMATA ROAD	2	3	0	3	8	16	10	63	31	\$1,939,326
SH 6	I	MARLBOROUGH ST	0	4	1	3	2	10	5	20	10	\$1,938,654
SH 1S	I	LEADER ROAD EAST	2	2	1	2	2	9	6	11	11	\$1,938,298
SH 1S JOHNS	I	WILKINSONS ROAD	0	2	2	1	2	7	2	14	14	\$1,932,492
SH 73	I	HASKETTS ROAD	0	1	4	2	0	7	2	43	29	\$1,930,614
SH 3	I	RUAHINE ST	5	3	2	4	1	15	9	40	40	\$1,929,874
HUKA FALLS ROAD S	I	SH 1N	1	2	3	0	1	7	3	29	29	\$1,923,905

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
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**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 2	I	BELL ROAD	3	7	1	3	4	18	13	28	39	\$1,923,627
SH 1S	I	KANUKA LANE	3	0	1	4	0	8	4	38	50	\$1,923,218
CENTENNIAL SBD	I	GLOVER SLIP ROAD	0	0	2	2	1	5	2	20	0	\$1,920,814
SH 1N		1000 S ARTILLERY ROAD	3	1	5	4	3	16	10	75	38	\$1,912,581
SH 57	I	KIMBERLEY ROAD	3	3	5	2	1	14	9	36	29	\$1,911,206
SH 1N		200 N PENCARROW ROAD	3	4	2	0	1	10	7	10	50	\$1,910,029
SH 1S	A	QUEENS GARDENS	3	2	2	1	1	9	3	22	11	\$1,906,312
SH 29	I	GIRVEN ROAD	0	3	4	4	4	15	12	20	47	\$1,903,005
SH 2	I	MINDEN ROAD	7	1	5	3	6	22	20	14	14	\$1,901,556
SH 73		500 W BARRINGTON ST	1	1	3	1	1	7	3	57	43	\$1,897,791
SH 16	I	PATIKI OFF EBD	6	6	4	5	6	27	21	30	33	\$1,896,672
SH 1N	I	HIGHWAY 56	0	0	3	5	2	10	4	10	30	\$1,895,347
SH 2		300 E TE PUNA ROAD	1	5	6	2	2	16	10	6	13	\$1,892,769
SH 1S		1700 N DAVAAR ROAD	2	0	1	0	1	4	0	25	50	\$1,891,400
SH 1S	A	MOSGIEL OFF SBD	1	2	5	3	2	13	8	38	38	\$1,891,292
SH 30	I	SH 5 OLD TAUPO ROAD	3	8	2	4	4	21	17	14	24	\$1,882,722
SH 2		200 S PETONE ON SBD	2	3	5	6	9	25	22	32	20	\$1,882,120
SH 45	I	TIMARU ROAD	0	0	4	0	3	7	2	57	57	\$1,875,734
SH 27	I	SH 29	3	3	3	10	6	25	20	40	24	\$1,875,145
SH 73 BROUGHAM ST	I	BURLINGTON ST	7	3	6	10	4	30	15	10	30	\$1,873,445
SH 2	I	CLARKE ROAD	3	3	3	4	4	17	12	29	6	\$1,873,313
SH 3	I	PRINCESS ST	9	7	6	5	1	28	13	14	21	\$1,870,056
SH 2	I	MAJOR DRIVE	3	5	7	6	1	22	17	41	64	\$1,864,574
SH 1N WELLINGTON	I	RUAHINE ST	6	5	9	11	6	37	25	38	32	\$1,863,497
SH 1S	I	CRINAN ST	0	2	2	3	0	7	2	29	14	\$1,861,420
SH 1N	I	BALDROCK ROAD	1	1	1	3	6	12	4	50	42	\$1,855,167
SH 73		700 W HARLEY CRK BR	1	1	1	1	0	4	2	25	25	\$1,852,132
SH 7	I	MAIMAI ROAD	0	2	1	0	0	3	0	67	33	\$1,849,260
QUEEN ELIZABETH DRIVE	I	MARSHLAND ROAD	5	3	4	3	5	20	12	25	40	\$1,845,663
SH 2	I	AKATARAWA ROAD	1	1	3	3	4	12	9	8	17	\$1,845,322
SH 3	I	PRINCESS ST	4	4	6	5	3	22	16	18	32	\$1,844,218
SH 3	I	RUTLAND ROAD	2	1	3	0	0	6	1	17	33	\$1,842,897
SH 57	I	TURITEA ROAD	0	3	0	1	4	8	2	13	50	\$1,837,514
SH 54	I	SH 54	1	3	3	2	3	12	9	25	17	\$1,835,929
SH 2		2500 E MARCHANT ROAD	2	1	2	0	0	5	3	40	20	\$1,835,786
SH 30	I	BRENT ROAD	3	1	2	1	1	8	4	38	13	\$1,834,262
SH 3	I	SOWERBY ROAD	1	2	1	2	3	9	6	44	22	\$1,830,518
SH 3		1000 S MAKIRIKIRI ROAD	1	5	0	0	1	7	3	14	0	\$1,830,008
SH 2	I	BARRETT ROAD	3	2	2	5	1	13	7	15	31	\$1,823,870
HEATHCOTE ROAD	I	SH 50A	1	3	2	1	1	8	4	0	63	\$1,821,583
SH 73		150 E POUND ROAD	1	2	1	0	1	5	2	20	60	\$1,820,691
SH 16		250 E CARRINGTON OBR	3	7	8	8	4	30	16	23	30	\$1,819,542
SH 75		810 W SUMMIT ROAD	0	1	0	3	1	5	1	0	0	\$1,818,397
SH 73	I	YALDHURST ROAD	2	2	6	3	6	19	12	11	53	\$1,815,211
SH 75		2360 W WAINUI MAIN ROAD	0	2	1	0	2	5	1	20	20	\$1,810,557
SH 2	I	LATHAM ST	4	6	9	5	9	33	28	27	24	\$1,808,965
SH 1S		300 S NORTH RAKAIA ROAD	1	1	1	2	1	6	3	33	33	\$1,808,427

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**Urban Site Radius = 30 metres  
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**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	PAPAKURA OFF SBD	9	4	5	3	3	24	17	13	29	\$1,803,156
SH 16	I	SH 18	5	9	3	9	10	36	29	25	36	\$1,796,069
SH 1N		300 N BOLLARD ROAD	0	1	2	0	2	5	2	20	60	\$1,794,312
SH 1N	I	SH 23	5	8	9	11	6	39	29	21	31	\$1,787,841
SH 29	I	POIKE ROAD	1	3	5	5	4	18	15	33	39	\$1,785,807
SH 1N		200 S HIGHBROOK OBR	3	7	11	11	7	39	32	31	31	\$1,783,665
SH 7		300 N ANTILLS BR	1	1	0	1	1	4	1	50	75	\$1,782,056
SH 3	I	MANGOREI ROAD	2	4	5	7	3	21	15	33	24	\$1,781,724
SH 77		2200 E ZIG ZAG ROAD	1	0	1	0	2	4	1	0	25	\$1,780,177
SH 73 CURLETTS	I	PARKHOUSE ROAD	3	3	3	3	4	16	13	25	44	\$1,779,676
SH 1N	I	CONSTELLATION OBR	5	8	6	10	11	40	34	33	30	\$1,779,311
SH 2	I	WI DUNCAN ROAD	2	2	2	3	3	12	10	42	50	\$1,779,301
SH 7		50 N GLYNN WYE STM BR	1	1	0	3	0	5	2	60	40	\$1,771,670
KRAACK ROAD	I	SH 1N	3	2	6	5	3	19	9	74	16	\$1,766,349
SH 1S	I	BARNES DRIVE	6	0	2	9	5	22	7	27	9	\$1,764,324
SH 1S		820 S OKARAHIA STM CV	0	3	0	1	2	6	4	67	17	\$1,759,945
SH 3	I	SH 57	2	1	0	1	3	7	2	14	14	\$1,759,114
SH 1N	I	KAPUNI ST	1	3	0	0	1	5	2	20	40	\$1,758,849
MOUNT WELLINGTON HIGH I		MT WGTN OFF SBD S	5	7	5	4	2	23	15	52	57	\$1,757,041
SH 2		20 S SAMSON ROAD	1	2	0	2	0	5	2	40	40	\$1,756,889
SH 1N		300 S WEST ROAD	0	0	0	0	4	4	1	0	50	\$1,755,677
SH 1N		1000 W SH 27	0	0	1	2	1	4	1	50	0	\$1,755,677
SH 1S		2620 N JURYS ROAD	0	0	0	4	1	5	2	20	0	\$1,755,194
SH 2	I	SH 35	0	5	1	1	0	7	4	29	43	\$1,749,982
SH 1N		400 N TOP OF HARBOUR BRIDGE	9	3	11	12	1	36	28	14	36	\$1,749,905
SH 20B	I	CAMPANA ROAD	1	0	2	2	5	10	5	20	50	\$1,749,824
SH 3	I	KAIRANGA BUNNYTHORPE	5	3	6	6	0	20	15	15	15	\$1,749,099
SH 58		50 W JAMES COOK DRIVE	2	9	4	3	3	21	17	57	33	\$1,744,254
SH 23	I	TE PAHU ROAD	0	1	2	2	0	5	3	20	40	\$1,742,869
SH 1S CARMEN	I	WATERLOO ROAD	10	0	2	4	2	18	14	0	39	\$1,741,539
SH 3		400 N MANGOREI ROAD	1	0	2	2	1	6	3	17	33	\$1,736,887
SH 1N	I	SH 26	2	3	10	10	9	34	29	29	32	\$1,736,466
MASSEY ROAD	I	MASSEY ON SBD	2	7	5	6	4	24	16	8	46	\$1,733,665
SH 1N	I	SALEYARDS ROAD	2	2	3	1	5	13	8	38	31	\$1,732,247
SH 3	I	RYBURN ROAD	1	1	1	0	2	5	2	20	60	\$1,728,447
SH 1N		250 N TAKANINI OFF SBD	2	2	3	6	5	18	8	11	39	\$1,724,774
SH 32		980 N WAIHABA BR	1	0	1	0	1	3	0	0	33	\$1,723,820
SH 1N		400 S NEWLANDS ON SBD	5	4	9	6	11	35	27	51	26	\$1,719,781
SH 6		100 E WHANGAMOIA SDL	0	1	4	3	1	9	4	44	11	\$1,718,947
SH 5		3000 W MATEA ROAD	0	0	1	1	1	3	0	67	0	\$1,718,920
SH 1S		320 S CONWAY RIV BR	0	0	0	1	3	4	1	0	0	\$1,718,437
SH 1S	I	SH 86	1	2	1	2	3	9	4	22	22	\$1,716,906
SH 3	I	MOUNT STEWART HALCOM	1	2	1	1	2	7	5	0	57	\$1,715,443
SH 1N		100 N SOUTH PORTAL	8	3	1	3	5	20	17	15	20	\$1,715,039
SH 2	I	BEACH ROAD	1	3	0	2	1	7	5	14	43	\$1,710,748
SH 3		500 N RAPANUI ROAD	2	0	1	0	1	4	0	0	50	\$1,709,120
SH 1S	I	MILL ROAD SOUTH	2	1	2	1	1	7	3	43	43	\$1,705,527

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	LOOP ROAD	3	2	1	2	5	13	9	23	31	\$1,704,840
SH 1B	I	PEACH ROAD	1	1	1	1	1	5	3	40	100	\$1,703,567
SH 3	I	HOLLY OAK TERRACE	0	1	3	0	1	5	2	40	40	\$1,699,252
SH 1S		1300 N DAZZLE CORNER	0	1	0	4	2	7	1	29	0	\$1,698,756
SH 1N		1000 S TAKANINI ON SBD	6	4	4	2	3	19	11	26	32	\$1,697,908
SH 20		150 E HILLSBOROUGH ROAD	4	3	7	3	4	21	14	33	24	\$1,696,927
SH 75	I	PUAHA ROAD	0	1	1	1	0	3	0	0	0	\$1,695,400
SH 35	I	MCDONALD ROAD	3	2	0	1	1	7	2	14	29	\$1,695,230
SH 1N		960 S SALEYARDS ROAD	2	3	4	1	3	13	9	54	38	\$1,694,544
SH 1N	I	TINAKORI ON NBD	2	4	4	3	4	17	12	53	47	\$1,692,830
SH 1N		1100 S EAST TAMAKI OBR	5	5	3	2	7	22	16	27	50	\$1,691,674
SH 2		1200 W SERVICE STN STH	2	3	3	6	3	17	12	24	24	\$1,691,033
SH 4	I	MAHOE ROAD	2	0	1	0	2	5	2	0	40	\$1,688,370
SH 1N	I	HEUHEU PARADE	1	3	1	2	2	9	4	67	22	\$1,687,446
SH 1N		5 E GALLOWAY ST	3	7	10	2	4	26	20	38	42	\$1,685,671
SH 1N	A	GREVILLE ON NBD	10	8	4	5	4	31	21	52	23	\$1,685,525
SH 56	I	HIGHWAY 56	3	1	1	1	2	8	5	13	25	\$1,684,595
SH 1S BLUFF HIGHWAY	I	ELLES ROAD	1	2	1	2	1	7	3	43	14	\$1,684,586
SH 1S	I	ALBANY ST	7	5	5	2	5	24	11	17	33	\$1,684,356
MARKET ROAD	I	MARKET OFF NBD	3	9	6	5	9	32	25	34	28	\$1,674,712
SH 1S	A	HURUNUI RIV BR	2	4	3	3	4	16	9	44	38	\$1,673,964
SH 1N		300 E GILLIES OBR	10	7	5	8	9	39	35	31	33	\$1,672,331
SH 1S		2000 N FERNIEHURST ROAD	1	0	0	1	2	4	2	0	50	\$1,671,710
SH 16		1000 W ST LUKES OBR	6	1	6	6	4	23	18	35	26	\$1,669,046
SH 2		300 W HUBBARD ROAD	0	0	1	0	2	3	1	67	100	\$1,667,477
SH 5		1200 E WAIHOTU ROAD	0	0	1	1	1	3	1	67	33	\$1,667,477
SH 25		1000 N SAILORS GRAVE ROAD	1	1	1	1	0	4	2	50	25	\$1,666,810
SH 4		500 N PARIHAUHAU ROAD	3	1	0	0	0	4	1	75	50	\$1,666,314
SH 2	I	DOWSE DRIVE	3	3	9	13	1	29	17	45	31	\$1,663,292
SH 25		40 S GOLF ROAD	0	3	1	1	0	5	3	40	100	\$1,662,509
UPPER HWY OFF NBD	I	SH 18 W	7	11	11	6	14	49	39	14	20	\$1,660,118
SH 20	I	RIMU ON NBD	7	6	7	9	6	35	28	14	29	\$1,658,623
SH 2		30 S MORRISON ROAD	0	1	1	1	1	4	2	0	0	\$1,658,460
SH 5		850 N TARAWERA TAV	4	3	0	1	0	8	6	100	13	\$1,655,529
SH 1S JOHNS	I	SAWYERS ARMS ROAD	4	5	2	4	3	18	14	17	22	\$1,653,563
SH 1N	I	SH 10	1	2	1	3	2	9	3	33	22	\$1,651,729
SH 1S	I	WATERHOLES ROAD	2	0	5	5	4	16	9	13	31	\$1,651,485
SH 1N	I	PAPAKURA ON NBD	10	7	6	8	6	37	32	27	46	\$1,651,423
SH 58	I	POSTGATE DRIVE	4	3	1	2	2	12	7	8	25	\$1,650,124
SH 20	I	CORONATION ON NBD	4	4	6	5	2	21	15	14	29	\$1,648,245
SH 6	I	HUTCHESON ST	5	5	6	5	2	23	17	9	30	\$1,647,849
SH 16		200 N ROSEBANK OFF WBD	9	3	6	5	6	29	18	24	21	\$1,646,343
SH 1S		750 N OMIHI STM BR	0	1	1	1	0	3	1	0	67	\$1,645,917
GILLIES AVENUE	I	GILLIES ON NBD N	8	7	4	6	3	28	20	21	46	\$1,643,889
SH 2	I	WAINGAKE ROAD	1	1	0	1	1	4	1	50	50	\$1,642,896
SH 1N	I	SH 15A	1	3	8	0	2	14	11	29	14	\$1,642,338
SH 2		70 W BOUCHER AVENUE	0	1	1	1	0	3	1	0	67	\$1,641,070

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 20	I	HILLSBOROUGH ROAD	16	9	5	8	3	41	32	22	32	\$1,640,591
NEWTON ROAD	I	NEWTON ON WBD	9	5	8	12	0	34	26	12	44	\$1,635,041
SH 2	I	HILL ROAD	0	0	1	0	3	4	1	25	25	\$1,634,157
SH 79	I	BENNETT ROAD	0	0	0	1	2	3	1	0	0	\$1,632,197
SH 2		320 N TE NGARU BR	3	0	1	0	0	4	0	0	0	\$1,629,740
SH 25		830 E TE KAUANGA ROAD	0	2	0	1	0	3	1	0	0	\$1,629,176
SH 1N	I	TROY ST	4	1	0	2	1	8	6	38	13	\$1,629,129
SH 5	A	RANGITAIKI TVN	0	1	2	0	0	3	1	33	33	\$1,627,297
SH 54	I	MILSON LINE	2	5	3	4	6	20	15	35	20	\$1,625,904
SH 2	A	TRIG TRACK CNR	0	4	3	4	7	18	15	56	33	\$1,621,269
SH 2	I	WHAREKOPAE ROAD	1	0	1	1	2	5	3	20	40	\$1,621,247
SH 1S	A	OKARAHIA STM CV	6	5	4	1	1	17	13	59	12	\$1,620,258
LAKE ROAD	I	SH 5	11	9	7	4	3	34	29	24	26	\$1,617,655
SH 2	I	TE PUNA STATION ROAD	2	3	4	3	0	12	9	8	8	\$1,614,184
SH 27	I	MAUNGAKAWA ROAD	1	0	2	0	0	3	0	67	33	\$1,606,220
SH 45		400 N BEACH ROAD	1	2	0	0	1	4	1	75	75	\$1,605,737
SH 1S MAIN SOUTH	I	HALSWELL JUNCTION ROA	4	8	2	2	2	18	10	17	22	\$1,599,518
TRAM ROAD	I	TRAM OFF RAMP NBD	0	7	2	7	1	17	12	41	29	\$1,599,036
SH 1N	I	SOLDIERS ROAD	1	0	2	1	0	4	2	0	0	\$1,598,394
SH 2		450 N PUTORINO STATION ROAD	0	0	1	0	2	3	0	0	33	\$1,597,400
SH 1S	I	ST ANDREW ST	4	3	2	13	5	27	16	44	19	\$1,595,861
SH 35		2500 S MAKORORI BEACH ROAD	0	1	1	0	1	3	0	33	33	\$1,595,440
SH 1N		500 S LOOP ROAD S	1	3	0	2	5	11	8	36	36	\$1,590,330
SH 35		70 E WILLOWS ROAD	1	1	1	0	1	4	2	25	25	\$1,586,369
SH 35		500 W PACIFIC ST	1	1	0	1	1	4	2	25	75	\$1,586,369
SH 6	I	SPEY ST	5	3	5	7	5	25	14	28	32	\$1,584,313
SH 6	I	TRAFALGAR ST	0	4	0	2	2	8	5	13	50	\$1,583,960
SH 2		100 S PARITU ROAD	0	1	0	2	1	4	2	75	25	\$1,583,612
SH 96	I	OTAUTAU-WREYS BUSH R	0	0	1	2	1	4	0	25	0	\$1,581,720
SH 3	I	UPPER TAUMAHA ROAD	1	1	0	1	0	3	0	33	33	\$1,578,780
SH 1S	I	CONON ST	0	2	4	3	3	12	5	17	0	\$1,578,190
SH 1S	I	POLICE ST	2	7	5	3	1	18	5	28	6	\$1,576,594
SH 1N	I	BEAVER OFF NBD	1	4	1	0	1	7	4	43	29	\$1,570,723
SH 16	I	WATERVIEW ON WBD	5	8	8	4	6	31	23	35	39	\$1,570,631
SH 1N		1000 N PRINCES OBR	4	12	12	6	1	35	30	40	29	\$1,568,721
SH 1S	I	MILLS AND FORD ROAD EA	2	2	0	2	0	6	4	17	17	\$1,567,865
SH 96	I	GRAVEL PIT RD	0	2	1	3	0	6	3	50	83	\$1,567,531
SH 54		600 S TAPUAE ROAD	1	1	0	0	1	3	1	33	33	\$1,566,537
SH 1S MAIN SOUTH	I	BARTERS ROAD	5	5	1	7	1	19	11	32	26	\$1,563,791
SH 1N		100 S WALTER STREVENS OBR	5	5	1	2	7	20	15	20	20	\$1,563,533
SH 57		1000 W VICTORIA ROAD	1	0	0	1	1	3	1	0	67	\$1,561,637
SH 5		2200 S WAIPA MILL ROAD	3	4	0	2	1	10	6	60	50	\$1,561,551
SH 11		1600 N WAIKARE ROAD	1	2	3	0	2	8	3	100	25	\$1,560,671
SH 16	I	ST GEORGES BAY ROAD	4	2	2	2	4	14	6	21	36	\$1,559,510
SH 50	I	PAKOWHAI ROAD	5	5	3	4	0	17	12	29	24	\$1,556,509
SH 1N		900 N TE IRIRANGI OBR	6	7	6	9	4	32	25	31	22	\$1,555,680
SH 3		300 S AWAKINO HEADS ROAD	1	3	0	0	0	4	2	100	100	\$1,555,111

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 20	I	MASSEY OFF NBD	3	1	6	5	4	19	13	32	32	\$1,553,248
SH 35		300 S ONEROA ROAD	2	1	0	2	1	6	3	0	33	\$1,552,831
SH 2	A	QUEENS HEAD RLY OBR	2	0	0	2	2	6	4	67	17	\$1,552,347
SH 27	I	SH 2	2	4	6	4	5	21	18	14	43	\$1,550,955
SH 1N		700 W SH 2	4	7	4	1	1	17	14	24	29	\$1,547,458
SH 88	I	BLANKET BAY ROAD	1	0	2	2	1	6	2	33	83	\$1,546,270
SH 1S	I	COAST ROAD S	0	4	0	2	0	6	2	33	50	\$1,545,392
SH 1N	I	HOBSON ON SBD	12	4	8	4	8	36	31	19	28	\$1,543,669
SH 2		2000 W WHAKARAU ROAD	0	1	1	1	0	3	1	67	67	\$1,543,017
SH 2		300 S TATARAMOA ROAD	1	1	1	1	0	4	1	25	75	\$1,538,117
SH 2		200 S SH 29	1	5	2	6	1	15	12	20	27	\$1,537,392
SH 1N	I	TAUROA ST	4	2	2	4	5	17	12	41	18	\$1,536,672
SH 17	I	KAHIKATEA FLAT ROAD	1	2	3	1	1	8	6	0	13	\$1,535,437
SH 2		400 N ATHENREE ROAD	0	3	1	3	1	8	3	63	38	\$1,534,211
SH 1N	I	HANIA ST	4	4	4	1	1	14	12	21	29	\$1,534,170
SH 1N		900 N WAIWHIU ROAD	1	3	2	0	0	6	3	100	67	\$1,532,966
SH 2		950 N TUNANUI ROAD	1	0	1	0	1	3	0	0	33	\$1,531,740
SH 54		530 N SANDON BLOCK ROAD	0	2	1	1	0	4	1	50	25	\$1,530,196
SH 1N		50 W COBHAM DRIVE	1	0	2	0	0	3	1	33	100	\$1,529,997
SH 17	I	SILVERDALE PARKWAY	5	3	2	6	3	19	13	21	26	\$1,529,079
SH 1N	I	RUGBY ST	3	9	7	9	6	34	28	35	71	\$1,528,005
SH 2	I	GROUNSELL CRESCENT	5	4	8	4	8	29	20	34	24	\$1,525,387
SH 73 YALDHURST	I	AVONHEAD ROAD	1	1	3	1	2	8	4	25	25	\$1,524,680
SH 1S		950 N COAST ROAD S	2	1	0	2	0	5	0	80	40	\$1,521,940
SH 1N		150 N WILKS OBR	1	1	3	0	0	5	1	20	60	\$1,521,457
SH 17		1300 N HATFIELDS BR	1	0	4	5	5	15	7	60	27	\$1,520,518
SH 6		180 E HOPE SDL	0	1	1	1	2	5	1	60	0	\$1,520,477
SH 3		500 W LEPPER ROAD LOWER	0	1	0	1	1	3	1	33	0	\$1,519,497
SH 1S	I	GREAT KING ST NORTH	3	6	1	5	7	22	11	27	27	\$1,515,926
SH 1N		200 N ESMONDE OBR	3	5	4	3	5	20	16	20	25	\$1,508,256
SH 57	I	SH 56	2	1	9	3	2	17	12	24	18	\$1,508,119
SH 1N	I	2 OFF SBD	0	7	2	10	1	20	16	15	40	\$1,507,024
SH 6	I	MURITAI ST	2	4	0	1	10	17	11	0	12	\$1,506,342
ONEWA OFF SBD	I	ONEWA ON SBD	2	5	10	11	2	30	22	30	30	\$1,505,638
SH 1N		100 N VIVIAN ST	6	8	4	6	9	33	27	36	24	\$1,502,730
PUHINUI ROAD	I	SH 20	3	1	4	2	7	17	11	29	41	\$1,501,981
SH 1N	I	SH 2	1	6	6	1	1	15	12	53	13	\$1,500,572
JOHNSONVILLE OFF NBD	I	SH 1N	3	11	9	6	4	33	27	64	30	\$1,498,023
SH 18	I	CARIBBEAN DRIVE	1	11	0	5	3	20	15	20	15	\$1,494,173
SH 1N		3000 S TREGOWETH LANE	2	3	3	2	2	12	6	8	25	\$1,490,275
SH 1N	I	MANUREWA OFF SBD	6	3	7	7	7	30	22	30	20	\$1,487,213
SH 60	I	DOMINION ROAD	1	2	3	6	5	17	11	47	29	\$1,485,701
SH 17	I	WAIWERA ROAD	4	7	4	2	1	18	13	28	39	\$1,471,296
SH 1N VICTORIA	I	HAMILTON ROAD	5	11	9	18	10	53	43	19	19	\$1,463,022
SH 58		800 N SPINNAKER DRIVE	2	6	2	2	0	12	7	67	25	\$1,459,249
SH 20		100 S PUHINUI OFF NBD	1	1	6	5	4	17	12	35	35	\$1,455,382
SH 1N	I	SAULBREY ROAD	5	2	4	0	0	11	3	18	27	\$1,451,707

**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N		100 S NORTHCOTE ON SBD	7	10	4	2	3	26	17	15	27	\$1,448,745
SH 30A	I	TAREWA ROAD	6	2	2	5	6	21	15	14	24	\$1,446,897
SH 1N	I	VICTORIA ST	0	0	9	3	7	19	9	26	47	\$1,443,931
SH 74A PALINURUS	I	FERRY ROAD	3	4	2	5	3	17	7	29	41	\$1,431,622
SH 1N	I	PIHANGA ROAD	3	5	3	1	0	12	7	8	8	\$1,430,630
SH 1S YALDHURST	I	RUSSLEY ROAD	7	5	6	2	5	25	17	0	32	\$1,427,541
SH 1S	I	JETTY ST	3	6	5	3	6	23	14	13	35	\$1,420,053
SHANDS ROAD	I	SH 1S	3	5	4	9	4	25	17	12	40	\$1,419,825
SH3 ON RAMP	I	BADER ST	5	6	3	5	3	22	13	18	41	\$1,409,537
SH 1N		500 N REAGAN OBR	2	2	3	4	1	12	4	8	50	\$1,405,185
SH 1S MAIN SOUTH	I	PARKER ST	6	6	3	4	2	21	13	24	19	\$1,400,194
SH 1N		1500 N GT SOUTH OBR	6	5	5	3	5	24	14	13	17	\$1,399,254
SH 45	I	GOVER ST	5	3	3	8	7	26	19	19	12	\$1,398,631
SH 1N		300 S MANGAMATE CUL	4	2	5	6	8	25	16	76	16	\$1,396,775
SH 1N		800 N GREENHILL ROAD	2	0	3	3	1	9	4	22	56	\$1,391,444
SH 16		800 E ST LUKES OBR	3	8	5	5	8	29	23	52	31	\$1,384,350
SH 1B	I	TAUWHARE ROAD	4	2	1	2	1	10	4	20	30	\$1,382,624
SH 1S	I	SH 6	7	5	5	7	4	28	20	25	25	\$1,380,025
SH 3	I	MANGOREI ROAD	7	3	12	3	3	28	22	14	14	\$1,376,909
TE ATATU ROAD	I	TE ATATU OFF EBD S	5	3	2	2	0	12	7	8	75	\$1,374,862
SH 3		500 E PAEKAKA ROAD	3	4	2	1	0	10	5	80	30	\$1,372,178
SH 7		650 E MAORI ST	3	1	3	1	0	8	3	63	38	\$1,370,184
SH 1S MAIN SOUTH		250 W PARKER ST	3	3	3	0	1	10	4	20	0	\$1,366,700
SH 54	I	CAMPBELL ROAD	2	3	1	1	1	8	2	38	13	\$1,358,212
SH 3	I	HYDRO ROAD	1	2	2	6	0	11	6	27	36	\$1,356,280
SH 7		50 E GOINGS CRK BR	2	3	2	1	2	10	5	30	50	\$1,353,640
SH 1N		1000 S ONEWA ON SBD	2	11	5	6	4	28	22	25	32	\$1,350,472
MT WGTN OFF NBD	I	MOUNT WELLINGTON HIGH	5	6	2	4	6	23	17	26	30	\$1,349,682
SH 1S	I	SH 62	3	2	4	3	2	14	9	14	21	\$1,330,480
SH 3	I	WHAKAMARA ROAD	0	2	4	1	2	9	3	89	33	\$1,329,391
MASSEY ROAD	I	MASSEY OFF NBD	7	7	3	4	5	26	19	31	35	\$1,328,047
SH 1N		100 S PENROSE INT	5	3	7	10	4	29	24	34	17	\$1,327,884
SH 2	A	HUTT ON NBD	4	3	7	4	5	23	14	26	39	\$1,325,507
SH 94		100 E HOMER TUNNEL SOUTH	1	2	1	2	3	9	2	22	0	\$1,324,892
SH 1N		700 S GREVILLE OBR	4	4	4	4	6	22	12	41	14	\$1,324,513
SH 1N		2000 N PAPAURA ON NBD	2	1	2	2	5	12	6	17	42	\$1,321,980
SH 1N	I	SH 57	3	5	4	6	6	24	16	29	17	\$1,321,621
SH 20		220 S PORTAGE OBR	1	1	5	5	2	14	9	14	29	\$1,320,347
SH 20		50 S RIMU OBR	6	3	3	8	7	27	21	22	44	\$1,319,982
SH 1N	I	DRURY OFF SBD	5	3	8	5	3	24	16	38	25	\$1,301,899
SH 2	I	HIGGINSON ST	3	5	2	0	0	10	5	40	30	\$1,296,718
SH 6	I	HAY ST	3	2	1	0	1	7	2	14	29	\$1,288,654
SH 1N		100 N TREGOWETH LANE	2	0	1	2	5	10	5	30	30	\$1,287,390
SH 3	I	INGAHAPE ROAD	3	2	3	1	0	9	4	44	33	\$1,283,746
SH 16	I	DUNLOP ROAD	2	2	3	3	2	12	6	25	25	\$1,280,268
SH 74	I	BRIDGE ST	5	3	2	2	2	14	9	36	29	\$1,276,147
SH 1S EVANS	I	RANUI AVENUE	4	5	3	4	4	20	14	5	10	\$1,275,696

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 14	I	WEST END AVENUE	0	0	6	1	3	10	5	10	0	\$1,271,170
SH 16		700 E ROSEBANK OFF WBD	5	8	3	7	4	27	22	19	44	\$1,267,847
SH 21 AIRPORT	I	RAYNES ROAD	4	0	2	2	1	9	3	44	44	\$1,266,487
SH 73A BLENHEIM	I	ALLOY ST	2	6	3	5	3	19	13	32	32	\$1,259,971
SH 6	I	GLENDA DRIVE	2	2	3	3	1	11	5	27	9	\$1,259,374
SH 2	I	MOONSHINE HILL ROAD	2	2	6	6	4	20	10	20	25	\$1,259,287
SH 75 HALSWELL	I	HOON HAY ROAD	4	7	3	2	3	19	13	26	37	\$1,258,430
SH 74 QUEEN ELIZABETH I	I	HILLS ROAD	2	1	0	3	0	6	1	0	17	\$1,249,997
SH 1S		1000 S MCGRATH ROAD	1	1	3	3	1	9	3	22	56	\$1,248,847
SH 5	I	SHAW ROAD	2	2	1	3	1	9	4	67	44	\$1,248,547
MASON ROAD	I	SH 23	2	1	2	2	1	8	3	25	50	\$1,248,051
SH 1N		400 S PENROSE OFF NBD	2	5	7	5	5	24	17	21	17	\$1,246,821
SH 2		3000 S OLD MAIN ROAD	1	2	1	3	0	7	1	43	57	\$1,244,036
SH 1N		200 N SUNNYNOOK OBR	2	6	3	7	6	24	17	38	38	\$1,240,513
SH 16		400 E ROSEBANK OFF WBD	3	2	3	2	1	11	6	27	55	\$1,240,171
SH 1N	I	TAURIMA ST	3	5	4	4	5	21	16	33	43	\$1,239,159
SH 1N		1000 N PAKAKARIKI HILL ROAD	2	3	0	1	0	6	1	50	0	\$1,233,154
SH 16	A	WAIMUMU OBR	1	8	4	7	1	21	12	29	38	\$1,232,353
SH 2	I	FAIRWAY DRIVE	3	2	7	6	8	26	20	50	31	\$1,230,806
SH 73 CURLETTTS	I	LUNNS ROAD	1	4	4	4	1	14	9	57	43	\$1,230,030
SH 3	I	STONE CREEK ROAD	3	1	1	1	4	10	5	0	10	\$1,229,594
SH 6	I	HERBERT ST	4	3	4	5	2	18	11	11	22	\$1,219,035
SH 1N		700 S NORTHCOTE OBR	9	8	4	3	1	25	20	36	24	\$1,213,566
SH 1N	I	RIFLE RANGE ROAD	10	11	10	2	15	48	41	21	25	\$1,213,273
SELWYN ST	I	SH 73	4	3	1	5	3	16	9	0	38	\$1,210,914
SH 73 YALDHURST	I	RACECOURSE ROAD	2	4	2	3	2	13	5	8	15	\$1,210,160
GILLIES AVENUE	I	GILLIES OFF SBD	4	6	1	4	3	18	11	44	50	\$1,209,534
SH 1N		530 S SCHOLLUM ACCESS ROAD	0	0	4	1	6	11	6	27	36	\$1,205,441
SH 1S		20 E MORRIS OBR	3	3	0	2	1	9	4	11	33	\$1,198,222
SH 3		5000 E SH 57	0	1	3	2	3	9	4	56	89	\$1,197,506
SH 1S	I	WORKS ROAD	4	2	0	1	1	8	2	0	13	\$1,196,329
SH 1N		1000 S UPPER HWY OFF NBD	2	9	7	4	3	25	20	44	40	\$1,189,983
SH 3	I	OKAU ROAD	1	1	2	1	1	6	1	67	67	\$1,170,617
SH 73 JERROLD N	I	BARRINGTON ST	3	2	5	2	2	14	8	7	43	\$1,170,248
SH 6	I	SH 84	4	1	3	4	3	15	5	0	33	\$1,167,623
SH 20	I	PLUNKET AVENUE	7	6	7	12	4	36	29	19	22	\$1,165,233
SH 3	I	NUGENT ST	1	4	7	3	4	19	14	21	32	\$1,164,701
SH 5		350 N TE HAROTO ROAD	4	0	1	0	1	6	1	50	17	\$1,161,614
SH 17	I	GREEN ROAD	2	1	2	2	2	9	4	33	33	\$1,159,103
SH 58		150 N SPINNAKER DRIVE	5	1	4	3	6	19	10	58	32	\$1,149,759
SH 2	I	NGAUMUTAWA ROAD	3	0	0	1	3	7	2	29	14	\$1,134,279
SH 6	I	LOWER SHOTOVER ROAD	0	2	2	3	1	8	3	0	0	\$1,134,009
SH 1S	I	FREDERICK ST	10	4	6	3	3	26	15	23	23	\$1,129,545
SH 17	I	THE AVENUE	3	5	3	3	3	17	10	29	12	\$1,126,100
SH 1N	I	MCKINNEY ROAD	0	3	4	0	1	8	3	25	0	\$1,123,509
SH 16	I	GLADSTONE ROAD	1	4	4	3	5	17	10	29	35	\$1,119,158
SH 6	A	RAI SDL	1	3	0	3	1	8	3	75	0	\$1,118,507



**Table 9.3: State Highway  
 Urban and Rural Black Spot List  
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
 Rural Site Radius = 250 metres**
**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 3		100 E POWERHOUSE ROAD	1	0	3	0	1	5	0	40	0	\$1,118,180
SH 1S	I	WOOLSHED ROAD	0	2	2	0	3	7	2	0	14	\$1,114,192
SH 43	I	STANDISH ROAD	0	2	0	3	1	6	1	67	33	\$1,111,817
SH 1N		3000 N SH 12	2	4	7	4	3	20	13	70	5	\$1,110,343
SH 2		300 S MELLING LINK	2	4	2	8	4	20	13	50	15	\$1,108,451
SH 74 MAIN NORTH	I	STYX MILL ROAD	2	6	1	1	3	13	8	8	38	\$1,098,324
SH 1N		100 N MANGAWHAI ROAD	1	0	2	4	1	8	3	50	50	\$1,097,927
SH 16	I	RIVERHEAD ROAD	1	3	4	0	2	10	4	10	30	\$1,092,930
SH 1S RUSSELLY	I	WAIRAKEI ROAD	5	4	5	5	2	21	15	24	24	\$1,087,518
SH 1N	I	BATH ST	3	2	6	3	4	18	12	22	22	\$1,075,673
GREENLANE OFF NBD	I	GREENLANE INT	10	11	9	4	8	42	37	17	7	\$1,072,840
SH 6	I	YARROW ST	3	1	6	3	3	16	11	19	25	\$1,065,899
SH 1S	I	YTHAN ST	1	2	2	6	5	16	11	25	38	\$1,062,527
SH 88	I	ANZAC AVENUE	4	6	3	3	2	18	13	11	17	\$1,062,220
SH 1N	I	TROY ST	5	6	7	4	2	24	14	25	25	\$1,057,788
SH 1N VIVIAN	I	TORY ST	2	2	2	4	0	10	5	10	30	\$1,057,080
SH 2	I	ESSEX ST	4	2	2	1	0	9	4	33	11	\$1,050,808
SH 1S	I	QUEENS GARDENS	4	6	5	3	4	22	11	18	9	\$1,047,226
SH 2		50 S SERVICE STN STH	1	5	8	4	3	21	16	29	38	\$1,041,260
SH 1N	I	CHURTON PARK ON NBD	3	1	8	5	4	21	16	38	29	\$1,039,442
SH 16		150 N ROSEBANK OBR	4	5	3	8	1	21	16	29	43	\$1,038,913
SH 3	I	FEATHERSTON ST	9	11	8	9	5	42	36	14	26	\$1,037,761
SH 2	I	WEST QUAY	2	1	3	3	5	14	8	7	7	\$1,030,928
SH 2	I	TOTARA PARK ROAD	4	1	7	5	7	24	19	21	46	\$1,028,177
SH 1N HAMILTON	I	HALL ST	3	4	1	3	2	13	8	23	54	\$1,027,668
SH 1S JOHNS	I	HAREWOOD ROAD	5	6	1	3	5	20	15	30	40	\$1,015,978
SH 74 TRAVIS	I	BASSETT ST	4	1	5	0	1	11	6	27	18	\$1,014,264
SH 16		740 E LINCOLN ON EBD	6	4	4	1	5	20	15	45	30	\$1,013,997
SH 1N	I	CHURCH ROAD	3	8	4	7	4	26	21	31	46	\$1,010,642
SH 20		400 E HILLSBOROUGH ROAD	4	8	3	2	0	17	10	53	24	\$1,006,817
SH 1N		50 N COOK OFF SBD	3	3	6	6	2	20	15	20	40	\$999,766
SH 1S		500 E BLACK BRIDGE ROAD	2	3	0	0	0	5	0	40	40	\$997,640
TRISTRAM AVENUE	I	TRISTRAM ON SBD	6	5	9	6	2	28	22	18	18	\$997,541
SH 1N		1000 S SH 2	1	4	1	7	4	17	10	29	35	\$995,403
SH 1S	I	HANOVER ST	3	1	5	2	2	13	8	0	8	\$994,864
SH 1N	I	PENROSE OFF SBD	4	6	2	4	4	20	15	10	5	\$989,389
SH 17		100 N THE AVENUE	5	1	0	1	0	7	2	29	43	\$977,685
SH 1S	I	STUART ST	2	3	2	5	1	13	8	15	23	\$972,578
SH 1S	I	USK ST	4	2	5	2	1	14	9	7	14	\$969,322
SH 6	I	FILLEUL ST	1	2	1	3	0	7	1	43	43	\$968,550
SH 1N BUCKLE	I	TARANAKI ST	2	9	11	9	4	35	28	29	31	\$962,867
GREENLANE OFF SBD	I	GREENLANE INT	8	8	5	4	7	32	25	16	13	\$956,487
SH 17		500 S WAIWERA ROAD	3	6	4	6	0	19	14	32	58	\$949,643
SH 20	I	SH 20A	2	5	1	4	5	17	11	29	47	\$943,081
SH 1S	I	THAMES ST	6	4	4	4	1	19	9	0	21	\$942,594
SH 22	I	GLENBROOK ROAD	2	4	5	4	4	19	14	26	47	\$939,025
SH 29	A	SUMMIT LOOKOUT	2	4	3	4	5	18	13	72	28	\$932,030

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1S CASTLE	I	ST ANDREW ST	2	5	5	12	2	26	18	8	19	\$930,675
SH 1S	I	ANZAC AVENUE	0	1	2	3	3	9	4	0	0	\$927,840
SH 2		400 S MAJOR DRIVE	2	4	5	2	2	15	8	40	20	\$924,829
SH 16		700 E CARRINGTON OBR	3	3	1	5	6	18	13	33	61	\$918,045
SH 20		1000 N WALMSLEY OBR	5	5	2	3	1	16	10	19	44	\$914,595
SH 6	I	AIRPORT ROAD	8	4	0	3	1	16	10	6	31	\$910,432
SH 1S	I	ETTRICK ST	2	3	1	0	1	7	2	43	29	\$909,394
PENROSE OFF SBD	I	PENROSE INT	12	12	1	4	6	35	30	9	40	\$900,814
SH 1N		3200 S WAIPU GORGE ROAD	4	5	1	4	1	15	9	87	0	\$900,480
SH 1S	I	FREDERICK ST	3	1	3	0	3	10	5	30	20	\$897,918
SH 73	I	POUND ROAD	2	4	5	3	4	18	11	22	28	\$882,768
SH 16	I	TE ATATU OFF WBD	2	1	6	3	6	18	13	33	33	\$881,754
SH 1S	I	JERVOIS ST	0	3	2	1	1	7	2	29	0	\$868,980
UNION ST	I	NELSON ST	13	5	4	4	4	30	24	20	37	\$867,408
TE IRIRANGI DRIVE	I	TE IRIRANGI OFF SBD	2	5	4	10	3	24	19	29	42	\$858,774
SH 16	I	FERNHILL DRIVE	3	4	3	4	2	16	9	25	19	\$844,791
SH 20	I	MASSEY ON NBD	2	3	3	6	2	16	11	38	38	\$843,816
SH 29	I	OROPI ROAD	2	2	3	3	5	15	10	40	27	\$832,621
SH 1S		20 N CALEDONIAN ROAD	1	2	5	6	3	17	8	12	12	\$832,404
SH 20		400 N PUHINUI OBR	3	3	3	4	1	14	8	14	50	\$827,728
SH 1N		700 S MUNGAVIN OFF NBD	4	3	1	1	6	15	10	33	33	\$825,476
SH 73 BROUGHAM	I	OPAWA ROAD	3	4	7	3	3	20	11	5	15	\$823,496
SH 1N	I	SELWYN AVENUE	5	5	4	9	9	32	27	25	25	\$822,417
SH 3	I	LEMON ST	6	5	4	8	8	31	26	32	16	\$822,103
SH 1N	I	HAMILTON ROAD	4	5	9	8	7	33	28	24	27	\$818,307
SH 1S MAIN SOUTH	I	KIRK ROAD	6	2	5	1	2	16	8	13	31	\$808,323
SH 1S	I	SH 6	9	8	7	1	4	29	24	14	21	\$807,333
GREAT NORTH ROAD	I	WATERVIEW ON WBD N	4	6	8	4	3	25	19	32	48	\$794,803
SH 3	I	SAXBYS ROAD	6	9	0	3	5	23	16	30	43	\$786,910
SH 1N		300 N JOHNSONVILLE ON NBD	1	5	3	3	2	14	9	57	36	\$784,206
SH 1N	I	CENTRAL AVENUE	10	4	2	6	7	29	24	28	31	\$778,767
SH 16	I	SLIP ROAD	1	2	3	6	7	19	11	42	53	\$773,880
ST LUKES OFF WBD	I	ST LUKES ROAD N	4	1	6	7	1	19	12	37	42	\$772,726
SH 1S	I	BURNSIDE OFF RAMP NBD	3	2	1	3	4	13	8	23	31	\$771,719
SH 20	I	PUHINUI OFF NBD	3	2	1	4	3	13	7	15	15	\$770,090
SH 6	I	DON ST	2	7	2	5	4	20	13	20	25	\$768,978
SH 22	I	DRURY ON NBD E	2	5	2	2	2	13	7	31	46	\$765,210
NORTHCOTE ROAD	I	NORTHCOTE OFF NBD W	3	8	6	0	2	19	12	21	47	\$759,844
EAST TAMAKI ROAD	I	OTARA ON SBD	6	4	5	6	5	26	21	27	54	\$749,886
KENNEDY ROAD	I	KENNEDY OFF NBD	4	4	5	1	2	16	7	31	6	\$742,762
SH 5		2500 S GLENGARRY ROAD	3	5	3	0	0	11	5	73	9	\$739,712
SH 3		500 S MARAETAUA ROAD	2	1	5	1	1	10	3	40	50	\$739,349
TAKAPU ROAD	I	TAWA OFF SBD	4	7	2	1	1	15	10	60	47	\$739,129
SH 1S CARMEN	I	BUCHANANS ROAD	2	7	7	6	2	24	18	13	29	\$736,439
SH 45 VIVIAN	I	MORLEY ST	5	6	5	4	6	26	21	27	12	\$726,677
SH 1S		120 S LAKE ROAD	5	3	2	0	1	11	6	9	55	\$722,548
TE IRIRANGI DRIVE	I	TE IRIRANGI ON NBD	6	3	6	3	0	18	12	28	56	\$716,872

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
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**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I	HOOKER ROAD	2	1	6	1	2	12	7	17	50	\$707,915
OTARA ON NBD	I	EAST TAMAKI ROAD	4	3	5	7	0	19	14	32	47	\$703,047
SH 1S		280 S CLAPHAM ROAD	2	1	1	1	2	7	0	29	29	\$695,800
SH 16	I	MURIWAI ROAD	6	0	0	5	4	15	9	7	20	\$693,102
SH 1S EVANS	I	WAI-ITI ROAD	5	3	5	6	2	21	15	14	24	\$684,931
SH 1N	I	SH 1B	0	6	4	4	4	18	13	33	33	\$673,418
SH 1N		1500 S EAST TAMAKI OBR	1	1	3	3	2	10	4	20	30	\$667,326
SH 1N		350 N SCHISKA ROAD	2	0	1	3	3	9	3	67	33	\$663,787
SH 1S		10 E SH 6	2	3	6	6	4	21	16	24	43	\$660,991
GRANDE VUE ROAD	I	MANUREWA ON NBD	3	8	3	2	3	19	13	32	32	\$654,772
FRANKTON ROAD	I	SH 6A	4	4	3	5	4	20	15	60	15	\$653,117
SH 1N	I	TAINUI BRIDGE ROAD	4	4	4	3	3	18	12	33	33	\$649,119
SH 29		10 N SPUR AVENUE	0	5	5	3	4	17	12	18	24	\$641,841
SH 1N	I	GOA ST	4	3	1	6	1	15	9	53	20	\$641,107
SH 21	I	TAMAHERE ON NBD	3	2	4	0	1	10	5	70	80	\$638,955
SH 1N	I	WHAU VALLEY ROAD	2	5	2	6	6	21	16	24	5	\$626,839
SH 1S	I	FLEMING ROAD	2	1	1	1	2	7	1	43	57	\$625,554
SH 1S	I	DUNDAS ST	4	3	2	4	2	15	9	13	33	\$622,736
SH 87	I	GLADSTONE ROAD SOUTH	5	4	2	1	2	14	8	7	21	\$616,532
SH 1N	I	DUKE ST	3	5	1	5	2	16	10	25	13	\$607,514
SH 1N	I	STORY PLACE	1	4	3	8	3	19	14	11	11	\$607,421
SH 2		800 S MOONSHINE HILL ROAD	1	0	3	2	2	8	2	13	50	\$605,654
SH 27	I	HORRELL ROAD	2	1	1	3	2	9	4	33	11	\$595,501
SH 1N BUCKLE	I	TASMAN ST	4	1	4	7	1	17	11	24	18	\$595,473
SH 2		1500 S RIMUTAKA SUM	1	1	0	3	4	9	4	67	11	\$592,744
SH 73 BROUGHAM	I	MONTREAL ST	4	6	4	2	2	18	13	17	11	\$578,164
SH 6	I	GALA ST	4	4	3	0	5	16	11	31	44	\$577,536
SH 12	I	HOKIANGA ROAD	2	2	3	2	2	11	4	18	18	\$566,634
SH 1N	I	PRINCESS ST	3	3	2	4	5	17	12	35	35	\$566,547
SH 2	I	TOPAZ ST	2	4	1	1	0	8	3	25	50	\$564,645
SH 1N		30 E WEST PORTAL	0	4	4	3	1	12	5	17	58	\$558,292
SH 16	I	PARNELL RISE	0	3	3	5	5	16	11	13	38	\$547,393
SH 45	I	CALVERT ROAD	5	3	1	2	4	15	10	27	7	\$541,226
OTEHA VALLEY ROAD	I	OTEHA VALLEY ON SBD	1	3	3	7	1	15	10	13	13	\$531,784
SH 1N	I	APOTU ROAD	1	1	2	2	1	7	2	29	29	\$518,072
SH 6	I	WEST PLAINS ROAD	2	1	2	1	2	8	2	38	13	\$497,454
SH 2		590 S AWATOTO ROAD	2	2	0	1	1	6	1	17	17	\$494,336
SH 1S	I	WHITEROCKS ROAD	0	1	1	3	0	5	0	20	40	\$486,080
SH 1S		50 N ARUNDEL ST	0	3	1	2	1	7	1	14	0	\$484,370
SH 54	I	KIMBOLTON ROAD	2	5	1	3	2	13	8	8	15	\$481,642
SH 88	I	FREDERICK ST	2	1	3	2	2	10	5	0	10	\$476,524
SH 1N		750 S ROSS ROAD	1	0	2	1	2	6	1	50	17	\$469,917
SH 73 OPAWA	I	PORT HILLS ROAD	1	4	1	2	3	11	6	9	9	\$458,846
SH 1N	I	HIGH ST	2	0	2	1	6	11	6	9	18	\$445,754
SH 1N	I	NGAWAKA ROAD	0	1	1	1	2	5	0	40	80	\$432,180
SH 74 MAIN NORTH	I	PRESTONS ROAD	3	1	3	1	1	9	4	22	33	\$427,314
SH 74 MAIN NORTH	I	RADCLIFFE ROAD	1	2	3	2	1	9	4	11	33	\$423,014

**Table 9.3: State Highway  
Urban and Rural Black Spot List  
(Injury and Non-Injury Crashes)**

**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

**Sites with 5 or more injury crashes or more than \$1500000 in social costs**

CRASH ROAD		SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non- Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 87	I	INGLIS ST	1	1	0	3	2	7	2	29	0	\$420,054
SH 45	I	BAYLY ROAD	1	2	2	1	1	7	2	29	29	\$396,042
SH 1N		100 S QUEEN ST EAST	1	1	1	1	4	8	3	0	0	\$393,652

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD		SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 1N	I	CURRAN ON NBD	40	27	28	22	32	42	191	147	23	22
SH 1N	A	SHELLY BEACH OBR	34	31	21	27	23	42	178	135	28	33
SH 1N		500 N CURRAN ON NBD	18	25	8	19	19	30	119	95	25	24
SH 2	I	SH 58	11	13	9	9	16	18	76	58	41	21
SH 1N		250 S EAST TAMAKI OBR	11	6	9	11	11	20	68	54	31	28
SH 1N	I	KAPITI ROAD	10	9	7	7	9	15	57	43	11	21
SH 1N	I	NORTON ROAD	7	10	11	10	2	15	55	45	24	24
SH 1N	I	UPPER HWY OFF SBD	5	5	10	11	6	17	54	44	33	15
UPPER HWY OFF NBD	I	SH 18	5	7	11	11	6	14	54	44	13	20
SH 1N	I	TAKANINI OFF NBD	9	5	8	10	7	13	52	34	27	33
SH 1S	I	ELLES ROAD	1	10	8	7	5	11	42	28	33	33
SH 20	I	MANUKAU ON SBD	5	4	5	2	9	15	40	30	18	28
SH 1N	I	NEWLANDS OFF NBD	4	5	4	9	6	11	39	31	54	23
SH 1N		100 S ORAMS OBR	4	5	6	4	7	12	38	34	24	24
SH 1N	I	MANUKAU ON SBD	6	5	5	4	6	10	36	27	39	36
SH 17	I	GREVILLE ROAD	3	2	0	6	10	13	34	31	3	15
SH 2		200 S PETONE ON SBD	6	2	3	5	6	9	31	27	35	19
SH 73A	I	BLenheim ROAD	1	2	5	7	5	8	28	22	14	7
GREAT SOUTH ROAD	I	MANUKAU OFF NBD	5	2	4	4	5	8	28	25	36	50
SH 1N		300 S MANGAMATE CUL	1	4	2	5	6	8	26	17	77	15
SH 1N	I	RAUMATI ROAD	4	1	6	0	4	9	24	12	29	25
MANUKAU OFF SBD	I	SH 1N	4	4	4	3	1	7	23	20	22	35
SH 29	I	TAKITIMU DRIVE	3	6	2	4	1	7	23	18	13	22
SH 2	I	SH 33	3	1	0	7	1	10	22	17	18	14
SH 16	I	SLIP ROAD	3	1	2	3	6	7	22	14	36	45
SH 2		2400 W RIMUTAKA NO7 BR	1	2	5	2	5	7	22	17	68	23
SH 17	I	ALBANY HIGHWAY	6	0	0	2	6	7	21	15	24	38
SH 1N	I	TAKANINI ON NBD	3	4	2	1	2	8	20	16	35	20
SH 16		100 E GT NORTH OBR	1	0	1	4	5	9	20	16	50	50
SH 1N	I	ONslow ST S	5	3	0	3	2	6	19	13	42	42
SH 1N	I	VICTORIA ST	0	0	0	9	3	7	19	9	26	47
SH 1N		700 S MUNGAVIN OFF NBD	4	4	3	1	1	6	19	14	32	37
SH 74	I	TRAVIS ROAD	3	2	1	3	3	7	19	16	21	32
SH 18	I	LUCKENS ROAD	3	3	1	3	2	7	19	15	16	16
SH 3	I	UPPER MAIN ST	2	3	3	2	2	6	18	14	17	11
SH 1N		50 S GREENLANE INT	4	4	1	1	2	6	18	17	28	0
SH 1N	I	ELIZABETH ST	0	3	1	4	4	6	18	16	17	11
SH 2	A	TRIG TRACK CNR	0	0	4	3	4	7	18	15	56	33
SH 20B	I	PUHINUI ON SBD	1	3	1	4	2	7	18	12	28	44
SH 6	I	MURITAI ST	1	2	4	0	1	10	18	12	0	11
SH 29		3100 E SH 28	1	0	4	3	2	7	17	15	88	6
SH 1N		100 S SH 2	1	0	4	3	3	6	17	13	24	6
SH 36	I	TAUMATA ROAD	1	2	3	0	3	8	17	10	59	35
SH 1N	I	SALEYARDS ROAD N	2	2	2	3	1	5	15	9	47	33
SH 1N	I	SH 3	4	2	0	2	1	6	15	10	7	20
SH 1N		2000 N PAKAKURA ON NBD	3	2	1	2	2	5	15	8	20	33
SH 2	I	PAKIPAKI OFF NBD	0	2	1	2	4	6	15	8	33	13
SH 3	I	GREY ST	1	3	3	0	3	5	15	12	7	13
SH 2	I	OWEN ST	1	4	0	3	2	5	15	9	47	53
SH 1N	I	HALL ROAD	0	2	5	2	1	5	15	13	7	40
SH 17		1300 N HATFIELDS BR	0	1	0	4	5	5	15	7	60	27
SH 1N		600 N TRISTRAM OBR	2	2	4	0	1	6	15	13	40	40

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD		SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 1N	I	LOOP ROAD	1	3	2	1	2	5	14	10	29	29
SH 7		900 E MAWHERA QUAY	2	4	3	0	0	5	14	5	64	29
SH 2	I	WHARAWHARA ROAD	3	1	2	2	0	6	14	10	29	14
SH 1N	I	BALDROCK ROAD	2	1	1	1	3	6	14	4	57	43
SH 6		20 S BEACH ROAD	1	3	1	3	1	5	14	11	21	0
SH 1N		1000 S TAWA OFF NBD	1	4	0	2	1	6	14	9	29	43
SH 2		50 E JOCELYN ST	3	1	1	2	2	5	14	13	7	14
SH 3	I	ONAERO RIVER ROAD	0	0	3	2	4	5	14	9	29	29
SH 1N		530 S SCHOLLUM ACCESS ROAD	2	0	0	4	1	6	13	7	31	38
SH 1N		250 E WHANGAE ROAD	0	1	2	3	2	5	13	11	46	38
SH 2	I	TE MATAI ROAD	2	2	1	1	1	5	12	8	33	25
SH 1N	I	MILL ROAD	2	1	1	0	3	5	12	11	17	25
SH 1N		500 S LOOP ROAD S	1	1	3	0	2	5	12	8	42	42
SH 50	I	SH 2B	0	1	1	2	2	6	12	11	17	33
SH 20		300 S BADER OBR	1	2	2	1	1	5	12	10	33	50
SH 6	I	QUARANTINE ROAD	0	1	3	1	2	5	12	11	17	58
SH 2		200 E WESTERN HUTT ON NBD	0	2	2	2	1	4	11	6	27	36
SH 36		450 N TE MATAI ROAD	0	0	1	1	1	8	11	7	27	27
SH 1N		100 N TREGOWETH LANE	1	2	0	1	2	5	11	5	27	36
SH 20B	I	CAMPANA ROAD	1	1	0	2	2	5	11	6	18	45
SH 5	I	BIDOIS ROAD	1	1	1	3	1	4	11	8	36	9
SH 50	I	OMAHU ROAD	0	2	2	2	1	4	11	7	9	27
SH 1N		500 S MOUNTAIN ROAD	1	0	0	4	1	5	11	9	82	18
SH 2B	I	TAMATEA DRIVE	1	1	1	3	1	4	11	9	0	9
SH 2	A	RIMUTAKA NO5 BR	2	0	3	1	1	4	11	7	45	27
SH 1N	I	WHAKAHORO ROAD	0	0	3	2	2	4	11	6	64	36
SH 3	I	AIRPORT DRIVE	0	2	1	1	2	5	11	7	9	0
SH 45	I	BELT ROAD	1	3	1	1	1	4	11	9	18	18
SH 3	I	STONEY CREEK ROAD	1	3	1	1	1	4	11	6	0	9
SH 44	I	DAWSON ST	0	2	0	2	2	4	10	8	30	10
HIGHBROOK DRIVE	I	HIGHBROOK ON NBD	0	0	2	1	2	5	10	8	20	40
SH 2		2500 E RIMUTAKA SUMMIT	1	1	3	1	0	4	10	6	60	0
SH 29		940 S SUMMIT LOOKOUT	0	1	2	0	2	5	10	9	70	0
SH 1N	I	FOREST LAKES ROAD	1	1	1	0	2	5	10	5	40	30
SH 29		600 N VALLEY VIEW ROAD	0	0	0	2	0	8	10	8	80	20
SH 20		1000 S MASSEY OBR	1	0	1	4	0	4	10	7	60	60
SH 3		100 N MIDHIRST OBR	0	0	0	2	2	6	10	9	60	40
SH 26	I	SH 27	2	0	1	3	0	4	10	8	20	20
SH 6	I	ESK ST	1	2	0	2	1	4	10	9	40	60
SH 6	I	MAUNGATAPU ROAD	1	0	3	0	1	5	10	8	20	30
SH 1N COBHAM	I	CALABAR ROAD	2	0	1	3	0	4	10	7	30	20
SH 1N	I	WAYSIDE ACCESS ROAD	0	1	1	2	1	5	10	8	10	40
SH 94	I	IRWELL ST	2	1	1	0	1	4	9	7	0	11
SH 57	I	TURITEA ROAD	1	0	3	0	1	4	9	3	11	56
SH 39	I	LAXON ROAD	1	0	3	1	0	4	9	4	33	44
MUNGAVIN AVENUE	I	MUNGAVIN OFF SBD	0	2	0	1	2	4	9	7	33	89
SH 2		1500 S RIMUTAKA SUM	0	1	1	0	3	4	9	4	67	11
SH 1S	I	HYDE ST	0	1	0	2	1	5	9	8	33	56
SH 16	I	DON BUCK ROAD	1	2	1	1	0	4	9	8	33	56
SH 2	A	HAWKES BAY AIRPORT	0	2	1	1	1	4	9	6	56	33
SH 1S	I	CROSS ST	0	0	4	0	1	4	9	8	44	11
SH 14		1000 S WHATITIRI ROAD	0	3	1	1	0	4	9	5	78	33

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 30	800 E WAIMIHA ROAD	0	1	0	2	2	4	9	5	33	22
SH 16	1680 W ABEL ROAD	0	0	1	2	2	4	9	5	56	11
SH 34 KAWERAU	I SH 30	1	1	0	2	0	4	8	5	25	25
SH 5	I SH 28	0	0	2	1	1	4	8	6	0	25
SH 60	I WHARF ROAD	1	0	2	0	1	4	8	6	25	25
SH 1N	100 S QUEEN ST EAST	0	1	1	1	1	4	8	3	0	0
SH 1N	A THE AVENUE	0	0	0	1	2	5	8	4	38	50
SH 1S	I NEWMAN ST	0	0	2	0	1	5	8	7	0	13
SH 1N	I LINDSAY ROAD	1	1	1	0	0	5	8	4	13	63
SH 1N	50 S GILLIES OBR	0	2	0	2	0	4	8	5	25	38
SH 29	I SOLDIERS ROAD	0	1	0	2	1	4	8	5	50	13
SH 18	I MARINA VIEW DRIVE	0	0	3	0	1	4	8	6	25	63
SH 1N	I GREVILLE ON SBD	1	2	0	0	1	4	8	7	50	50
SH 1N	I DUKE ST	1	0	1	0	2	4	8	4	13	25
SH 3	400 N HANSENS LINE	0	0	1	1	2	3	7	4	43	71
SH 1N	300 S CHURTON PARK ON SBD	0	3	0	0	1	3	7	5	43	29
SH 78	I STAFFORD ST	1	1	1	1	0	3	7	4	14	29
SH 25	I MARY ST	1	1	1	0	0	4	7	7	0	14
SH 1S	I WOOLSHED ROAD	0	0	2	2	0	3	7	2	0	14
SH 1N	40 E OHAUPO ROAD	1	0	0	2	1	3	7	4	29	0
SH 44	I MORLEY ST	0	1	1	1	1	3	7	5	14	29
SH 1S	I SH 7	1	0	0	0	3	3	7	6	29	29
SH 1N	200 N PASCOE AVENUE	0	1	1	1	1	3	7	7	0	0
SH 58	200 E JAMES COOK DRIVE	0	1	0	3	0	3	7	5	43	43
SH 1N	1100 S MAUNGAKARAMEA ROAD	0	0	0	1	3	3	7	5	43	14
SH 1N	I GLENMOHR ROAD	0	1	1	0	1	4	7	6	29	43
SH 1S	I DOON ST	1	0	1	0	2	3	7	5	43	43
SH 2A	250 W TASMAN QUAY	0	0	0	3	1	3	7	6	29	57
SH 1N RUAHINE	50 N WELLINGTON ROAD	0	1	1	1	1	3	7	6	29	14
SH 60	650 N MCKEE DOMAIN ROAD	0	0	1	1	1	4	7	5	0	14
SH 2	I PAERATA RIDGE ROAD	2	0	1	0	1	3	7	3	57	0
SH 2	I NORANA ROAD	2	0	0	1	1	3	7	7	43	14
SH 29	1500 S MCLAREN FALLS ROAD	2	0	1	0	0	4	7	2	43	29
SH 7	I HURUNUI BLUFF ROAD	2	1	0	1	0	3	7	2	14	43
SH 1N	A HOROTIU FREEZING WKS	1	0	0	2	0	4	7	2	43	71
SH 2	3400 S MARCHANT ROAD	2	0	0	1	1	3	7	4	57	57
SH 1S	I BANK ST	1	0	1	0	2	3	7	6	29	29
SH 2	I TRUMAN ROAD	1	0	2	0	0	4	7	5	0	29
SH 5	600 W FITZGERALD GLADE	0	1	0	1	1	4	7	6	57	29
SH 3	400 W NELSON ST	2	1	0	1	0	3	7	5	29	14
SH 3	I KEITH ST	1	1	1	0	0	4	7	5	0	14
SH 1S	I GLADFIELD ROAD	1	2	0	1	0	3	7	3	0	29
MARAEKAKAHO ROAD	I LONGLANDS ROAD WEST	0	1	1	1	1	3	7	5	71	29
SH 3	I QUEENS ROAD	1	0	1	0	2	3	7	5	29	0
SH 14	2500 E TANGOWAHINE VALLEY ROAD	1	0	1	0	2	3	7	5	43	29
SH 1N	I FOREMAN ROAD	0	3	0	1	0	3	7	6	29	14
SH 1N	I MARTIN ST	0	1	2	1	0	3	7	6	29	43
SH 45	I TIMARU ROAD	0	0	0	4	0	3	7	2	57	57
SH 18	I UPPER HWY ON SBD	0	1	0	0	1	5	7	7	14	14
SH 2	40 E CORNISH ST	0	1	2	0	0	3	6	4	17	50
SH 6A	I MARINA DRIVE	0	1	0	0	0	5	6	4	50	33
SH 45	1000 N WATINO ROAD	1	0	0	0	2	3	6	4	83	33

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

CRASH ROAD		SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 99	I	THORNBURY-WAIMATUKU ROAI	0	2	0	1	0	3	6	2	0	0
SH 29		100 W TOTARA ST	0	0	2	0	0	4	6	6	0	33
SH 1N		200 E WEST PORTAL	0	0	0	1	1	4	6	4	0	50
SH 10	I	PARAPARA ROAD	0	0	1	2	0	3	6	2	17	33
SH 6	I	DURHAM ST	1	0	2	0	0	3	6	3	17	0
SH 1N	I	ULRIC ST	0	0	2	0	0	4	6	4	50	33
SH 1S		400 S AROWHENUA STATION ROAD	0	2	0	0	1	3	6	5	0	100
SH 1S	A	HIGH ST BR	2	0	0	1	0	3	6	3	17	0
SH 1S		200 N OLD BLUFF HIGHWAY	1	0	0	0	0	5	6	5	67	100
SH 29		2500 E SH 28	1	0	1	0	1	3	6	6	33	17
SH 2		1900 W PAERATA RIDGE ROAD	0	0	0	1	2	3	6	2	83	17
SH 58	I	ATIAMURI CRESCENT	0	1	2	0	0	3	6	3	50	33
SH 1S		25 S PRINGLE ST	1	0	1	0	0	4	6	3	17	0
SH 1N	I	SALMON ROAD	0	0	0	2	1	3	6	3	0	33
SH 1N		100 N PASCOE AVENUE	0	0	0	1	2	3	6	5	0	17
SH 1N		100 N NGAIO ROAD	0	0	1	1	1	3	6	5	0	33
SH 29		1500 E SH 28	0	0	2	0	0	4	6	5	67	0
SH 16	I	TRIGG ROAD	0	0	1	2	0	3	6	3	33	50
SH 58		120 E BRADEY ROAD	2	0	0	1	0	3	6	3	50	17
SH 23	I	TE MATA ROAD	0	1	2	0	0	3	6	3	0	33
SH 4		800 N TAKIRI ROAD	0	0	0	2	1	3	6	4	33	33
SH 2		1900 N WAIKARE ROAD	0	1	1	1	0	3	6	3	67	50
SH 6		230 W GENTLE ANNIE	2	0	0	0	1	3	6	3	17	50
SH 1N		400 N AIRLIE ROAD	1	0	0	1	1	3	6	6	33	50
SH 1N		300 N ST PETERS COLLEGE	1	1	0	0	1	3	6	3	0	0
STIRLING ROAD	I	SH 1S	2	1	0	0	0	3	6	0	17	33
SH 14		1310 E TANGOWAHINE VALLEY ROAD	0	1	0	0	1	4	6	3	50	17
SH 1S		700 N PIGEON FLAT ROAD	0	0	2	1	0	3	6	5	17	50
BARROWCLIFFE PLACE	I	WIRI STATION ROAD S	1	0	0	1	1	3	6	6	33	0
SH 1N	I	WHYTE ST	1	1	1	0	0	3	6	5	0	17
SH 1N	I	DOUGLAS ST	0	1	1	0	1	3	6	4	17	0
SH 2	I	ARGYLL ROAD	0	2	1	0	0	3	6	3	0	17
SH 58	I	JAMES COOK DRIVE	1	0	1	0	1	3	6	6	0	33
SH 73A		50 E BRYNLEY ST	0	1	0	1	1	3	6	5	33	17
SH 1S JOHNS	I	CLEARWATER AVENUE	2	1	0	0	0	3	6	3	33	50
SH 1N	I	REDOUBT ST	1	2	0	0	0	3	6	5	0	17
SH 17		280 N RICHARDS ROAD	0	1	0	0	2	3	6	3	50	33
SH 1N		1000 S TREGOWETH LANE	1	1	0	0	1	3	6	4	17	50
SH 1N	I	MARKET ST	1	1	1	0	0	3	6	4	17	17
SH 58		1000 N SH 2	1	1	0	0	1	3	6	4	33	33
GRAFTON ON SBD		10 S GRAFTON OBR	0	1	1	0	1	3	6	5	33	33
SH 18	I	GREENHITHE OFF WBD	0	0	0	0	3	3	6	3	17	67
SH 4		700 N OHURA ROAD	1	0	0	0	2	3	6	4	67	17
SH 8		2100 N DIP CRK CULVERT	1	0	0	1	0	4	6	4	0	83
SH 11		80 N RIGDEN ROAD	1	0	0	0	2	3	6	6	50	33
SH 1N	I	SHOEMAKER ROAD	1	0	0	0	2	3	6	5	83	0
SH 30		50 E OWHATA ROAD	0	1	0	1	0	3	5	5	40	0
SH 25	A	WAIWAWA RIV BR	0	0	1	1	0	3	5	4	0	20
SH 1N		100 S MILL ROAD	0	0	0	0	1	4	5	3	0	0
SH 1S		370 S CURRAGHS ROAD	0	1	1	0	0	3	5	3	0	20
SH 6	I	WAKAMARINA ROAD	1	0	0	0	1	3	5	3	0	20
SH 2		200 S GROUNSELL CRESCENT	0	1	0	0	1	3	5	4	20	20



**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD		SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 3	I	NGATA ST	0	0	0	0	2	3	5	5	20	40
SH 7		1500 N SMITH ST	1	0	0	0	1	3	5	3	60	40
SH 2	I	PARK ROAD	1	0	0	1	0	3	5	3	20	0
SH 1N		1000 N SCHOOL ROAD	1	0	0	0	1	3	5	4	60	0
SH 26		380 E ALLEN ROAD	1	0	0	1	0	3	5	3	20	20
SH 60		500 N WASHBOURN ROAD	0	0	0	1	1	3	5	3	20	20
SH 1S	I	RANGIORA WOODEND ROAD	0	1	0	0	1	3	5	3	20	40
RUSSELL ST	I	SH 67	1	1	0	0	0	3	5	4	20	20
SH 32	I	SH 30	0	1	0	0	0	4	5	4	60	0
SH 1S		100 N ELTERWATER NO 2 BR	0	1	0	0	1	3	5	3	20	20
SH 1N		210 S GILCHRIST ST	0	0	1	1	0	3	5	3	0	60
SH 1N	I	BOSHER ROAD	1	0	0	0	1	3	5	3	20	40
SH 1S		1000 N BENHAR ROAD	1	0	1	0	0	3	5	1	40	40
SH 3		100 E NARROWS ROAD	0	0	1	1	0	3	5	2	60	60
SH 25		2000 S MILL CREEK ROAD	0	0	0	0	1	4	5	3	60	20
SH 1S		100 N BLUE DUCK ROAD	0	0	0	1	1	3	5	3	80	20
SH 29		500 S CAMBRIDGE ROAD	0	1	0	0	1	3	5	5	20	60
SH 7		720 S WAIKARI VALLEY ROAD	2	0	0	0	0	3	5	2	20	60
SH 10		440 S KAPIRO ROAD	1	0	0	0	0	4	5	3	40	20
SH 34		800 W PARK ROAD	0	1	0	0	1	3	5	3	60	0
SH 3	I	MIRO ST	1	0	0	0	1	3	5	4	0	40
SH 25		1850 S LIDDELL ROAD	0	0	0	1	1	3	5	4	20	60
SH 77	I	PARK ST	0	0	1	0	1	3	5	3	0	20
SH 1N		580 N TAMATEA ROAD	1	0	0	0	0	4	5	1	0	60
SH 60	I	RIVER ROAD	1	0	0	0	1	3	5	3	0	40
SH 3	I	KETEMARAE ROAD	0	1	1	0	0	3	5	4	60	20
SH 3		100 W PARAITE ROAD	0	0	1	1	0	3	5	5	20	20
SH 30		120 E MCINTYRE AVENUE	0	0	0	1	1	3	5	3	40	60
SH 30		200 N TAMATEA ST	0	0	0	1	0	4	5	3	20	40
SH 1N		30 S HOROMATANGI ST	2	0	0	0	0	3	5	4	20	0
SH 1N	I	RICHARDS ROAD	1	0	1	0	0	3	5	5	60	20
SH 2	I	YORK ST	1	0	0	1	0	3	5	4	0	0
SH 1N	I	SERVICE LANE	0	1	0	0	1	3	5	5	40	20
SH 25		230 N OTUTURU CRESCENT	1	0	0	0	1	3	5	4	20	0
SH 12	I	VICTORIA ST E	1	0	0	0	0	3	4	3	50	0
SH 2	I	HILL ROAD	0	0	0	1	0	3	4	1	25	25
SH 2		220 N NGAKOROA ROAD	0	1	0	0	0	3	4	2	25	50
SH 45	I	STATE LANE	0	0	1	0	0	3	4	3	0	0
TE ATATU ROAD	I	TE ATATU OFF EBD	0	0	0	1	0	3	4	2	0	25
SH 8		2950 S MT THOMAS STATION	0	0	1	0	0	3	4	1	25	25
SH 5		2740 E WAIHOTU ROAD	0	1	0	0	0	3	4	3	0	50
SH 7	A	PAHAU RIV BR	0	0	0	1	0	3	4	3	25	50
SH 2	I	CAMERON ROAD	0	0	0	0	1	3	4	4	25	25
SH 6		1200 N GLADSMUIR ROAD	0	0	0	1	0	3	4	2	0	50
SH 26	I	WILLOUGHBY ST	0	0	1	0	0	3	4	4	0	25
SH 6	I	SH 60	0	0	1	0	0	3	4	3	25	75
SH 1N		2460 N CALLAGHAN ROAD	0	0	0	0	1	3	4	3	75	50
SH 1N		60 N MOUNT PLEASANT ROAD	0	0	0	1	0	3	4	1	25	0
SH 1S	I	WOLSELEY ST	0	0	0	0	1	3	4	3	0	50
SH 2	I	BOUNDARY ROAD	0	0	0	0	1	3	4	4	50	0
SH 74		50 N DANIELS ROAD	0	0	0	1	0	3	4	4	0	25
SH 1N	I	PERRY ROAD	0	0	0	0	1	3	4	1	50	25

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 27	1000 S HORRELL ROAD	0	0	0	1	0	3	4	2	25	25
SH 2	370 E CORNISH ST	0	0	0	0	1	3	4	2	0	50
SH 10	600 N SH 11	0	0	1	0	0	3	4	2	0	25
SH 1N	1800 S MATARAWA ROAD	0	0	1	0	0	3	4	3	25	25
ESMONDE ON SBD	160 S ESMONDE ROAD	0	0	0	0	1	3	4	4	75	50
SH 11	2000 E RIGDEN ROAD	0	0	0	0	1	3	4	0	50	0
SH 2	50 W INTERMEDIATE ST	0	0	0	0	1	3	4	3	0	25
SH 2	1000 E IWITEA ROAD	0	0	0	1	0	3	4	2	0	25
SH 5	I WAIMANGU ROAD	0	0	0	1	0	3	4	3	25	0
SH 94	I WILDERNESS ROAD	0	0	0	0	1	3	4	1	25	0
SH 6	I OSHANNESY ROAD	0	0	0	0	1	3	4	2	25	25
SH 2	I CORNWALL ST	0	0	0	1	0	3	4	2	0	75
SH 74	120 W WAINONI ROAD	1	0	0	0	0	2	3	3	33	33
SH 87	70 N MURE ST	0	0	0	0	1	2	3	2	0	67
SH 7	A RIBBON STM CV	0	0	1	0	0	2	3	2	0	33
SH 1N	50 N TEIHANA ROAD	1	0	0	0	0	2	3	2	0	33
SH 1N	I MILNER ROAD	1	0	0	0	0	2	3	2	100	33
SH 2	350 N NORFOLK ROAD	1	0	0	0	0	2	3	3	67	0
SH 1N	260 N KAIWAKA MANGAWHAI ROAD	1	0	0	0	0	2	3	2	0	0
SH 7	540 S HELLS GATE	0	0	0	0	1	2	3	1	100	0
SH 1S	I MALLOCH ST	0	0	0	0	0	3	3	1	0	0
SH 1S	3450 N WAITATI VALLEY ROAD	0	0	1	0	0	2	3	2	0	33
SH 73	850 E SH 75	0	0	0	1	0	2	3	2	0	0
SH 1N	100 N WEST ROAD	0	0	0	1	0	2	3	3	67	33
SH 1S	950 S KINGS ROAD	0	1	0	0	0	2	3	1	0	0
SH 12	1000 W NGAWHA SCHOOL ROAD	0	0	0	0	1	2	3	1	33	100
SH 16	I COTESMORE WAY	0	0	0	1	0	2	3	1	0	67
SH 1S	300 S RYANS ROAD	0	0	0	0	1	2	3	3	0	33
SH 1N	590 N HEUHEU PARADE	1	0	0	0	0	2	3	3	0	0
SH 2	I EARL DRIVE	1	0	0	0	0	2	3	3	67	33
SH 30	I SH 34 MILITARY	1	0	0	0	0	2	3	3	0	0
SH 1N	600 E REREAHU AVENUE	1	0	0	0	0	2	3	1	67	33
SH 16	100 E MATUA ROAD E	1	0	0	0	0	2	3	1	33	33
SH 16	960 S PRICTOR ROAD	0	1	0	0	0	2	3	2	33	33
SH 39	950 W SAULBREY ROAD	0	1	0	0	0	2	3	2	67	33
SH 73A	50 S SYMES ROAD	0	0	0	1	0	2	3	2	0	0
SH 2	450 S POUKAWA ROAD	0	0	0	0	1	2	3	1	33	0
SH 6	1300 N BIXTER ROAD	0	0	0	0	1	2	3	0	33	33
SH 2	50 N KIWI VALLEY ROAD E	0	1	0	0	0	2	3	0	33	67
SH 30	300 E TUMOANA ROAD	0	0	0	1	0	2	3	3	33	0
SH 2	15 E ANDREW ST	0	0	1	0	0	2	3	1	33	67
SH 1S	A DEADMAN BR	0	0	0	1	0	2	3	1	0	0
SH 6	2000 W CRON ROAD	0	1	0	0	0	2	3	1	33	33
SH 6	I EYRE CREEK ROAD	1	0	0	0	0	2	3	2	0	33
SH 6	100 S ANNESBROOK DRIVE	0	0	0	0	1	2	3	3	67	33
SH 3	I RATANA ROAD	1	0	0	0	0	2	3	2	0	67
SH 12	700 E DUDDY ROAD	0	1	0	0	0	2	3	3	0	67
SH 5	3300 S WAIKITE VALLEY ROAD	0	0	0	0	0	3	3	0	67	67
SH 16	2300 N WEST COAST ROAD	0	0	1	0	0	2	3	2	33	0
SH 1N	800 N FISHER ROAD	0	0	0	0	1	2	3	3	0	0
SH 1N	350 S ORUANUI ROAD	0	0	0	0	1	2	3	1	33	67
SH 30	400 N GALATEA ROAD	0	0	0	1	0	2	3	2	0	67

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 29	1000 S MCLAREN FALLS ROAD	0	1	0	0	0	2	3	3	33	67
SH 30	100 S ANGLE ROAD	0	1	0	0	0	2	3	1	0	0
SH 2	I POUARUA ROAD NORTH	1	0	0	0	0	2	3	3	0	33
SH 6	I MALVERN AVENUE	1	0	0	0	0	2	3	2	33	33
SH 27	550 S WARDVILLE ROAD	0	1	0	0	0	2	3	2	0	33
SH 1S	I WOODEND ROAD	0	0	1	0	0	2	3	2	0	33
SH 1N	I CALLAGHAN ROAD	0	0	0	0	1	2	3	1	33	33
SH 85	I BANTRY ST	0	0	0	1	0	2	3	2	0	0
SH 3	850 N STONEY CREEK ROAD	0	1	0	0	0	2	3	3	0	0
SH 10	300 N PUKEWHAI ROAD	0	0	1	0	0	2	3	3	100	0
SH 50A	700 S OMAHU ROAD	1	0	0	0	0	2	3	3	0	0
SH 94	1580 S LYNWOOD ROAD	0	0	0	1	0	2	3	2	33	33
SH 22	280 W OIRA ROAD	0	0	0	1	0	2	3	2	33	0
SH 35	200 W HEREMA ROAD	1	0	0	0	0	2	3	1	33	0
SH 1N	980 S SH 11	0	1	0	0	0	2	3	2	33	33
SH 1S	I CLYDE ST	0	0	0	0	1	2	3	3	0	33
SH 2	I PAPAIAI ROAD	0	0	0	0	1	2	3	2	33	67
SH 25	250 S MILL ENT	0	0	0	0	1	2	3	3	0	33
SH 1N	800 S KEBBELL DRIVE	0	0	0	1	0	2	3	2	33	67
SH 44	50 E MORLEY ST	0	0	0	1	0	2	3	3	0	33
SH 25	I RICHMOND ST	0	0	1	0	0	2	3	1	33	0
SH 3	I HANSENS LINE	0	1	0	0	0	2	3	1	33	33
SH 29	500 N HANGA ROAD	1	0	0	0	0	2	3	2	33	67
SH 16	2000 S OGLE ROAD	0	0	0	0	1	2	3	0	33	67
SH 25	I MACKAY ST	0	0	0	0	1	2	3	3	33	33
SH 6	400 W EIGHTY EIGHT VALLEY ROAD	0	0	0	0	1	2	3	0	33	0
SH 57	I POTTS ROAD	0	0	1	0	0	2	3	1	33	33
SH 58	300 W BAYVIEW ROAD	0	0	1	0	0	2	3	2	0	0
SH 1N	I RUSSELL ROAD	0	0	1	0	0	2	3	3	33	67
SH 54	I NORTH ST	1	0	0	0	0	2	3	3	33	0
SH 2	200 N NORTH SHORE ROAD	1	0	0	0	0	2	3	1	0	0
SH 1N	900 S TARAKIHI ROAD	0	0	1	0	0	2	3	2	67	67
SH 3	I HILLS ROAD	0	0	1	0	0	2	3	3	33	0
SH 1N	15 N PLANTATION ROAD	0	0	0	0	1	2	3	2	33	0
SH 11	I WILLIAMS ST	0	1	0	0	0	2	3	2	67	33
SH 50A	100 S YORK ROAD	1	0	0	0	0	2	3	2	33	0
SH 18	200 W ALBANY HIGHWAY ON WBD	0	0	0	0	0	3	3	2	0	33
SH 2	20 N WILLIAMSON ROAD	0	0	0	0	1	2	3	2	0	0
LEAITY STREET	I SH 1N	0	1	0	0	0	2	3	3	33	33
SH 8	I SHANNON ST	0	0	0	0	1	2	3	2	0	33
SH 35	90 S PA ROAD	0	1	0	0	0	2	3	3	33	67
SH 1N	510 N COWAN BAY ROAD	0	0	1	0	0	2	3	3	0	67
SH 1N	1250 E MOMONA ROAD	0	0	0	0	0	3	3	2	67	33
SH 1N	520 N OAKLEIGH WHARF ROAD	0	0	0	0	0	3	3	3	0	33
SH 1S	50 E WHITIKER ROAD E	0	1	0	0	0	2	3	0	33	67
SH 73	A BIG SLIP CRK BR	1	0	0	0	0	2	3	1	0	33
SH 5	1190 S WAIOHOTU ROAD	0	0	0	0	1	2	3	2	67	33
SH 77	I SMALLBONE DRIVE	0	0	0	0	1	2	3	2	0	0
SH 8	I ARDGOUR ROAD N	0	0	0	1	0	2	3	3	0	67
SH 3	5 W JOHNSTON ROAD	0	0	0	1	0	2	3	2	33	33
SH 10	300 S KERIKERI ROAD	0	1	0	0	0	2	3	3	33	33
SH 1S	400 N KINGS ROAD	0	1	0	0	0	2	3	2	33	100

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 1S	I BRIDGE ROAD	1	0	0	0	0	2	3	2	0	33
SH 33	I OKERE ROAD	1	0	0	0	0	2	3	2	0	33
SH 74	150 E MAIN NORTH ROAD	0	0	1	0	0	2	3	2	33	33
SH 1S	I ARTHUR ST	0	0	1	0	0	2	3	3	0	0
SH 2B	920 N PREBENSEN DRIVE	0	1	0	0	0	2	3	1	0	0
SH 2	10 N JOCELYN ST	0	0	0	0	0	3	3	1	0	33
SH 5	1000 E SH 1N	0	0	0	0	0	3	3	2	100	33
SH 25	5000 N GOLDEN VALLEY ROAD	0	0	0	0	1	2	3	3	67	33
SH 79	500 N MIDDLE VALLEY ROAD	0	0	0	0	0	3	3	2	100	0
SH 73A	20 W NGA MAHI ROAD	0	0	0	0	0	3	3	2	33	33
SH 1N	100 E WEST PORTAL	0	0	0	1	0	2	3	3	0	67
SH 6	100 S GREENS ROAD	0	0	0	0	0	3	3	2	33	67
SH 93	1170 E RANGE ROAD	0	0	0	0	0	3	3	2	0	67
SH 1N	450 N SPRINGHALL ON NBD	0	0	0	1	0	2	3	2	0	33
SH 32	6500 S ACCESS ROAD	0	0	1	0	0	2	3	2	33	33
SH 7	180 N GARVEYS CREEK ROAD	0	0	0	0	0	3	3	1	33	33
SH 1S	500 S HILLEND ROAD	0	0	0	0	1	2	3	2	33	33
SH 1S	850 S FOUR MILE CREEK ROAD	0	1	0	0	0	2	3	1	0	33
SH 2	50 W COUGHLAN ROAD	0	0	1	0	0	2	3	1	0	0
SH 36	970 S KENNEDY ROAD	0	0	0	0	0	3	3	2	67	100
SH 3	1900 S AWAKAU ROAD	1	0	0	0	0	2	3	1	67	33
SH 47	I SH 48	0	0	0	0	1	2	3	2	0	33
SH 35	100 N KOPUARO A ROAD	1	0	0	0	0	2	3	2	0	0
SH 29	650 S MCLAREN FALLS ROAD	0	0	0	0	1	2	3	2	100	33
SH 27	900 N JAGGER ROAD	0	1	0	0	0	2	3	1	0	33
SH 25A	2480 W SH 26	0	0	0	1	0	2	3	2	33	0
SH 1N	I UNION ST	0	0	0	0	1	2	3	2	0	67
SH 25	500 N WAIHARAKEKE RIV BR	0	0	0	0	1	2	3	2	33	0
SH 1N	50 N WAIRERE DRIVE	0	0	0	0	1	2	3	2	33	33
SH 26	500 S ROBINSON ROAD	0	1	0	0	0	2	3	1	67	100
SH 17	580 S HORSESHOE BUSH ROAD	0	0	0	1	0	2	3	1	33	67
SH 2	1100 N TRIG ROAD SOUTH	1	0	0	0	0	2	3	2	33	33
SH 1N	1320 S HASSETT DRIVE	0	1	0	0	0	2	3	2	33	33
SH 1N	150 S CRAWFORD ST	0	1	0	0	0	2	3	2	0	33
SH 94	130 E KAKA CRK BR	0	1	0	0	0	2	3	2	0	0
SH 6	1000 N BRIGHTWATER ROAD	1	0	0	0	0	2	3	3	0	0
SH 23	550 E OTONGA VALLEY ROAD	0	1	0	0	0	2	3	2	0	33
SH 1S	200 W SADDLE HILL OFF	0	1	0	0	0	2	3	3	0	67
SH 2	50 S PAPATU ROAD	0	0	0	1	0	2	3	2	0	33
SH 60	80 S GREENWOOD ST	0	0	0	1	0	2	3	3	0	33
SH 12	I PORTLAND ST	0	0	0	0	1	2	3	3	33	33
SH 16	80 E ACCESS ROAD	0	1	0	0	0	2	3	2	33	0
SH 3	500 N MCFALL ROAD	0	0	0	0	1	2	3	2	100	33
SH 1S	600 N COAST ROAD	0	0	0	0	1	2	3	2	0	67
SH 35	I PITT ST	1	0	0	0	0	2	3	3	33	33
SH 2	300 E HOPELANDS ROAD	0	0	1	0	0	2	3	3	100	0
SH 1N	700 S CHURTON PARK ON SBD	1	0	0	0	0	2	3	2	100	0
SH 3	200 S SH 43	0	0	0	0	0	3	3	2	0	0
SH 1N	I NGATIRA ROAD	0	0	1	0	0	2	3	3	33	33
SH 8	I KELSO ST	0	1	0	0	0	2	3	2	0	33
SH 1S	350 S CONWAY RIV BR	0	0	0	0	1	2	3	0	0	0
SH 1N	1320 S TAWHAA ROAD	0	0	0	0	0	3	3	1	33	0

**Table 9.5 : State Highway Crash Sites  
with a Significant Increase in Crashes in 2009  
(Injury and Non-Injury Crashes)**

Urban Site Radius = 30 metres  
Rural Site Radius = 250 metres

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %
SH 20	100 N DOMINION ON WBD	0	0	0	0	0	3	3	1	33	67
SH 79	I BENNETT ROAD	0	0	0	0	1	2	3	1	0	0
SH 2	I HUIA ST	0	0	0	0	1	2	3	2	33	33
GREVILLE ROAD	I GREVILLE OFF SBD	0	0	0	0	1	2	3	2	67	0
SH 1S	500 N CHANEYS ON RAMP	0	1	0	0	0	2	3	1	0	100
SH 2	200 N WAITANGI ROAD	0	1	0	0	0	2	3	1	33	33
SH 25	1500 S TE KOUMA ROAD	0	1	0	0	0	2	3	2	33	0
SH 1N	300 N ORUANUI ROAD	1	0	0	0	0	2	3	2	0	67
SH 6	550 S EDENS ROAD	0	1	0	0	0	2	3	2	0	33
SH 8	150 S CLUDEN HILL ROAD	0	0	1	0	0	2	3	1	33	33
SH 2	450 N PUTORINO STATION ROAD	0	0	0	1	0	2	3	0	0	33
SH 63	350 W KORERE-TOPHOUSE ROAD	0	0	0	1	0	2	3	0	0	0
SH 23	15 W HAWK ST	0	0	0	0	1	2	3	1	33	0
SH 88	270 S ST LEONARDS DRIVE	0	0	0	0	1	2	3	1	0	33
SH 4	6000 N FIELDS TRACK	0	0	0	1	0	2	3	2	33	33
SH 2	40 W STOPFORD ST	0	0	0	1	0	2	3	3	0	0
KAWARAU ROAD	I PENINSULA ROAD	0	0	0	0	0	3	3	2	33	33
SH 2	200 N JACKSON ROAD	0	1	0	0	0	2	3	2	33	33
SH 1N	I CRAWFORD ST	0	0	0	0	1	2	3	3	0	0
SLIP ROAD	I SH 1N	0	0	1	0	0	2	3	3	33	33
SH 1S	I LECKIE ST	0	0	0	0	0	3	3	1	0	0
SH 5	I POHOKURA ROAD	0	0	0	1	0	2	3	0	67	33
SH 26	I FIRST AVENUE	0	0	0	0	1	2	3	2	0	67
SH 30	540 N SANDEL ROAD	0	0	1	0	0	2	3	3	33	67
SH 29	150 S SH 2	0	0	1	0	0	2	3	2	0	67
SH 1S	I BLYTH ST	1	0	0	0	0	2	3	2	33	67
SH 1S	500 S SPRINGBANK ROAD	1	0	0	0	0	2	3	1	0	33
SH 5	1580 N ARATIATIA ROAD	0	1	0	0	0	2	3	2	0	67
SH 1S VINE	I WAITOHI TEMUKA ROAD	0	1	0	0	0	2	3	2	0	0
SH 1N	40 N KAPITI ROAD	0	0	0	0	1	2	3	3	0	0
SH 39	300 N SAULBREY ROAD	0	0	0	0	0	3	3	2	100	67
SH 47	4020 W SH 41	0	0	1	0	0	2	3	1	0	0
SH 2	5 E RANGIURU ROAD	0	0	0	1	0	2	3	2	33	0
SH 1S	300 N WATERLOO ROAD	0	1	0	0	0	2	3	2	0	0
SH 96	960 E SPRINGHILLS-TUSSOCK CREEK	0	0	0	0	1	2	3	0	33	67
SH 12	4000 N BABYLON COAST ROAD	0	0	0	0	1	2	3	2	0	0
SH 1S	950 E HANKEY ROAD	0	0	1	0	0	2	3	2	67	33
SH 6	2000 N GLADSMUIR ROAD	0	0	0	0	0	3	3	3	0	33
SH 3	2350 E AWAKINO TUNNEL	0	1	0	0	0	2	3	2	100	0
SH 25	1000 N WHIRITOA BEACH ROAD	0	0	1	0	0	2	3	3	0	67
SH 1S	I GREEN POINT ROAD	0	1	0	0	0	2	3	1	33	33
SH 1S	320 N JOHNSTON ST	0	0	1	0	0	2	3	1	67	33
SH 8	1800 N TIMBURN ROAD	0	0	0	0	0	3	3	1	67	67
SH 2	30 N RENALL ST	1	0	0	0	0	2	3	2	33	0
SH 16	80 S HUTCHINSON ROAD	0	0	0	0	0	3	3	2	33	33
SH 27	A SH 27	0	1	0	0	0	2	3	1	33	33
SH 1N	I MANGAWHAI ROAD	0	0	0	0	1	2	3	0	67	67

# appendix

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- Groupings of crash types
- Grouping of contributing factors
- General factor list
- General movement types



## Explanatory notes for the appendix

1. Each traffic crash report has a diagram and a description of what happened. These are used to classify the movements the vehicles were making when they crashed eg 'collided with parked vehicle', or 'lost control while overtaking'. In this report, crash types are grouped into seven categories. The following page shows the types of crashes which are included in each group.
2. Traffic crash reports also include information on why the crash occurred, or on factors contributing to the crash. In this report the hundreds of contributing factor codes used by New Zealand Transport Agency have been condensed into 16 groups for practical reasons. Lists of the factor groups used in this report, and of all the contributing factors used by New Zealand Transport Agency, are shown on the following pages.
3. Note that in the year 2000 there were some minor changes to the contributing factor groups. The most significant change was that 'inattention' was grouped with 'inadequate check' to form 'poor observation'. This allowed a more accurate assessment of 'fatigue' as a contributing factor, as it now has its own grouping.
4. The factor group 'poor handling' includes factor codes that were only introduced in 1998. This could explain why there may have been a sudden change at this time.
5. The coding of the factors contributing to a crash is subjective. Therefore analysis using contributing factor groups needs to be interpreted with caution. Also, to effectively target safety or enforcement campaigns more analysis of the specific contributing factors involved may be needed.
6. It should be noted that a traffic crash generally has more than one contributing factor. Therefore, adding the number of crashes on graphs showing the number of crashes with a given factor or factor group will be greater than the total number of crashes in the city or district.



# Groupings of crash types

Overtaking	AA	AB	AC	AD	AE	AF	AG						
	 PULLING OUT OR CHANGING LANE TO RIGHT	 HEAD ON	 CUTTING IN OR CHANGING LANE TO LEFT	 LOST CONTROL (OVERTAKING VEHICLE)	 SIDE ROAD	 LOST CONTROL (OVERTAKEN VEHICLE)	 WEAVING IN HEAVY TRAFFIC						
Straight - Lost control / Head on	GE	GB	BA	CA	CB	CC	BE						
	 OVERTAKING VEHICLE	 LEFT SIDE SIDE SWIPE	 ON STRAIGHT	 OUT OF CONTROL ON ROADWAY	 OFF ROADWAY TO LEFT	 OFF ROADWAY TO RIGHT	 LOST CONTROL ON STRAIGHT						
Bend - Lost control / Head on	DA	DB	DC	BB	BC	BD	BF						
	 LOST CONTROL TURNING RIGHT	 LOST CONTROL TURNING LEFT	 MISSED INTERSECTION OR END OF ROAD	 CUTTING CORNER	 SWINGING WIDE	 BOTH OR UNKNOWN	 LOST CONTROL ON CURVE						
Rear end / Obstruction	EA	EB	EC	ED	EE	FA	FB						
	 PARKED VEHICLE	 ACCIDENT OR BROKEN DOWN	 NON VEHICULAR OBSTRUCTIONS (INCLUDING ANIMALS)	 WORKMANS VEHICLE	 OPENING DOOR	 SLOWER VEHICLE	 CROSS TRAFFIC						
Crossing / Turning	FC	FD	FE	FF	GA	GD	GF						
	 PEDESTRIAN	 QUEUE	 SIGNALS	 OTHER	 REAR OF LEFT TURNING VEHICLE	 NEAR CENTRE LINE	 TWO TURNING						
Pedestrian vs Vehicle	MA	MB	MC	MD	ME	MF	MG						
	 PARKING OR LEAVING	 'U' TURN	 'U' TURN	 DRIVEWAY MANOEUVRE	 PARKING OPPOSITE	 ENTERING OR LEAVING	 REVERSING ALONG ROAD						
Miscellaneous	GC	HA	JA	JC	KA	KB	KC						
	 STOPPED OR TURNING FROM LEFT SIDE	 RIGHT ANGLE (70° TO 110°)	 RIGHT TURN RIGHT SIDE	 TWO TURNING	 LEFT TURN IN	 RIGHT TURN IN	 TWO TURNING						
Pedestrian vs Vehicle	LA	LB	NA	NB	NC	ND	NE	NF	NG				
	 STOPPED WAITING TO TURN	 MAKING TURN	 LEFT SIDE	 RIGHT SIDE	 LEFT TURN LEFT SIDE	 RIGHT TURN RIGHT SIDE	 LEFT TURN RIGHT SIDE	 RIGHT TURN LEFT SIDE	 MANOEUVRING VEHICLE				
Miscellaneous	PA	PB	PC	PD	PE	PF	QA	QB	QC	QD	QE	QF	QG
	 FELL WHILE BOARDING OR ALIGHTING	 FELL FROM MOVING VEHICLE	 TRAIN	 PARKED VEHICLE RAN AWAY	 EQUESTRIAN	 FELL INSIDE VEHICLE	 TRAILER OR LOAD						

## Groupings of contributing factors

Factor group	Factor codes included
<b>Alcohol involved</b>	100 – 101 103 – 109
<b>Too fast</b>	110 – 119 430 – 432
<b>Failed to give way or stop</b>	300 – 314 320 – 328
<b>Failed to keep left</b>	120 – 128 205
<b>Overtaking</b>	150 – 161
<b>Incorrect lanes or position</b>	129 170 – 183 200 – 204 206 – 209 440 – 448
<b>Poor handling</b>	130 – 134 137 – 149 420 – 429
<b>Poor observation</b>	330 – 360 370 – 379
<b>Poor judgement</b>	380 – 387 400 – 407
<b>Fatigue</b>	410 – 415
<b>Disabled, old age or illness</b>	500 – 507
<b>Pedestrian factors</b>	700 – 731
<b>Cyclist factors</b>	Any factor coded against a cyclist
<b>Vehicle factors</b>	136, 600 – 699
<b>Road factors</b>	135, 800 – 899
<b>Weather</b>	900 – 909

Note:

The following factor codes are not included as they do not fit adequately into any of the above groupings: 102, 106, 190–198, 433, 434, 510–534 and 910–999.

# VEHICLE MOVEMENT CODING SHEET

For use with crash data from CAS (Version 2.8 May 2010)

	TYPE	A	B	C	D	E	F	G	O
A	OVERTAKING AND LANE CHANGE	PULLING OUT OR CHANGING LANE TO RIGHT	HEAD ON	CUTTING IN OR CHANGING LANE TO LEFT	LOST CONTROL (OVERTAKING VEHICLE)	SIDE ROAD	LOST CONTROL (OVERTAKEN VEHICLE)	WEAVING IN HEAVY TRAFFIC	OTHER
B	HEAD ON	ON STRAIGHT	CUTTING CORNER	SWINGING WIDE	BOTH OR UNKNOWN	LOST CONTROL ON STRAIGHT	LOST CONTROL ON CURVE		OTHER
C	LOST CONTROL OR OFF ROAD (STRAIGHT ROADS)	OUT OF CONTROL ON ROADWAY	OFF ROADWAY TO LEFT	OFF ROADWAY TO RIGHT					OTHER
D	CORNERING	LOST CONTROL TURNING RIGHT	LOST CONTROL TURNING LEFT	MISSED INTERSECTION OR END OF ROAD					OTHER
E	COLLISION WITH OBSTRUCTION	PARKED VEHICLE	CRASH OR BROKEN DOWN	NON VEHICULAR OBSTRUCTIONS (INCLUDING ANIMALS)	WORKMANS VEHICLE	OPENING DOOR			OTHER
F	REAR END	SLOWER VEHICLE	CROSS TRAFFIC	PEDESTRIAN	QUEUE	SIGNALS	OTHER		OTHER
G	TURNING VERSUS SAME DIRECTION	REAR OF LEFT TURNING VEHICLE	LEFT TURN SIDE SIDE SWIPE	STOPPED OR TURNING FROM LEFT SIDE	NEAR CENTRE LINE	OVERTAKING VEHICLE	TWO TURNING		OTHER
H	CROSSING (NO TURNS)	RIGHT ANGLE (70° TO 110°)							OTHER
J	CROSSING (VEHICLE TURNING)	RIGHT TURN RIGHT SIDE	OPPOSING RIGHT TURNS	TWO TURNING					OTHER
K	MERGING	LEFT TURN IN	RIGHT TURN IN	TWO TURNING					OTHER
L	RIGHT TURN AGAINST	STOPPED WAITING TO TURN	MAKING TURN						OTHER
M	MANOEUVRING	PARKING OR LEAVING	"U" TURN	"U" TURN	DRIVEWAY MANOEUVRE	ENTERING OR LEAVING FROM OPPOSITE SIDE	ENTERING OR LEAVING FROM SAME SIDE	REVERSING ALONG ROAD	OTHER
N	PEDESTRIANS CROSSING ROAD	LEFT SIDE	RIGHT SIDE	LEFT TURN LEFT SIDE	RIGHT TURN RIGHT SIDE	LEFT TURN RIGHT SIDE	RIGHT TURN LEFT SIDE	MANOEUVRING VEHICLE	OTHER
P	PEDESTRIANS OTHER	WALKING WITH TRAFFIC	WALKING FACING TRAFFIC	WALKING ON FOOTPATH	CHILD PLAYING (INCLUDING TRICYCLE)	ATTENDING TO VEHICLE	ENTERING OR LEAVING VEHICLE		OTHER
Q	MISCELLANEOUS	FELL WHILE BOARDING OR ALIGHTING	FELL FROM MOVING VEHICLE	TRAIN	PARKED VEHICLE RAN AWAY	EQUESTRIAN	FELL INSIDE VEHICLE	TRAILER OR LOAD	OTHER

\* = Movement applies for left and right hand bends, curves or turns



## VEHICLES

### 600 Lights and reflectors at fault or dirty

- 601 Dazzling headlights
- 602 Headlights inadequate or no headlights
- 603 Headlights failed suddenly
- 604 Brake-lights or indicators faulty or not fitted
- 605 Tail-lights inadequate or no tail-lights
- 606 Reflectors inadequate or no reflectors
- 607 Lights or reflectors obscured

### 610 Brakes

- 611 Parking brake failed
- 612 Parking brake defective
- 613 Service brake failed
- 614 Service brake defective
- 615 Jack-knifed

### 620 Steering

- 621 Defective
- 622 Failed suddenly

### 630 Tyres

- 631 Puncture or blow-out
- 632 Worn tread on tyre
- 633 Incorrect tyre type
- 634 Mixed treads / space savers

### 640 Windscreen or mirror

- 641 Shattered windscreen
- 642 Windscreen or rear window dirty
- 643 Rear vision mirror not adjusted correctly
- 644 No rear vision mirror
- 645 Windscreen or rear window misted/frosted
- 646 Inadequate or no sun-visors
- 647 Inadequate or no windscreen wipers
- 648 Cycle / Motorcycle visor, glasses, goggles or screen

### 650 Mechanical

- 651 Engine failure
- 652 Transmission failure (including chains and gears)
- 653 Accelerator or throttle jammed

### 660 Body or chassis

- 661 Body, chassis or frame (cycle, m/c) failure
- 662 Suspension failure
- 663 Failure of door catch or door not shut
- 664 Inadequate mudguards
- 665 Inadequate tow coupling
- 666 Inadequate or no safety chain
- 667 Bonnet catch failed
- 668 Wheel off
- 669 Broken axle
- 670 Inconspicuous colour
- 671 Blind spot
- 672 Seat belt / restraint failed
- 673 Air-bag failed to inflate (fully)

### 680 Load

- 681 Load interferes with driver
- 682 Not well secured or load moved
- 683 Over-hanging
- 684 Load obscured vision
- 685 Excess dimensions not adequately indicated
- 686 Over dimension vehicle or load
- 687 Load too heavy
- 688 Towed vehicle or trailer too heavy or incompatible

### 690 Miscellaneous vehicle

- 691 Emergency Vehicle attending emergency
- 692 Vehicle caught fire
- 693 Being towed
- 694 Air-bag contributed to crash or injury
- 695 Seatbelt / restraint absent or unusable
- 696 Dangerous goods

## PEDESTRIANS

### 700 Walking along road

- 701 Not keeping to footpath
- 702 Not keeping to side of road
- 703 Not facing oncoming traffic
- 704 Not on outside of blind curve
- 705 Wheeled ped inconsiderate or dangerous on footpath

### 710 Crossing road

- 711 Walking heedless of traffic
- 712 Stepping out from behind vehicles
- 713 Running heedless of traffic
- 714 Failed to use pedestrian crossing when one within 20 metres
- 715 Waiting on roadway for moving traffic
- 716 Confused by traffic or stepped back
- 717 Suddenly stepped onto pedestrian crossing
- 718 Not complying with traffic signals or school patrols
- 719 Misjudged speed and / or distance of vehicle

### 720 Miscellaneous

- 721 Pushing, working on or unloading vehicle
- 722 Playing on road or unnecessarily on road
- 723 Working on road
- 724 Wearing dark clothing
- 725 Vision obscured by umbrella or clothing
- 726 Child escaped from supervision
- 727 Unsupervised child
- 728 Sitting / lying on road
- 729 Pedestrian to /from school bus
- 730 Pedestrian behind reversing / manoeuvring vehicle
- 731 Overseas pedestrian
- 732 Pedestrian attention diverted eg cigarette, cell phone, music player

## ROAD

### 800 Slippery

- 801 Rain
- 802 Frost or ice
- 803 Snow or hail
- 804 Loose material on seal
- 805 Mud
- 806 Oil / Diesel / Fuel
- 807 Painted markings
- 808 Recently graded
- 809 Surface bleeding / defective

### 810 Surface

- 811 Potholed
- 812 Uneven
- 813 Deep loose metal
- 814 High crown
- 815 Curve not well banked
- 816 Edge badly defined or gave way
- 817 Under construction or maintenance
- 818 Unusually narrow
- 819 Broken glass

### 820 Obstructed

- 821 Fallen tree or branch
- 822 Slip or subsidence
- 823 Flood waters, large puddles, ford
- 824 Road works not adequately lighted
- 825 Road works not adequately signposted
- 826 Roadside object fell on vehicle
- 827 Object flicked up by vehicle

### 830 Visibility limited

- 831 Curve
- 832 Crest
- 833 Building
- 834 Trees
- 835 Hedge or fence
- 836 Scrub or long grass
- 837 Bank
- 838 Temporary obstruction, dust or smoke
- 839 Parked vehicle

### 840 Signs and signals

- 841 Damaged, removed or malfunction
- 842 Badly located
- 843 Ineffective or inadequate
- 844 Necessary
- 845 Signals turned off

### 850 Markings

- 851 Faded
- 852 Difficult to see under weather conditions
- 853 Markings necessary
- 854 Not visible due to geometry or vehicles
- 855 Old markings not adequately removed

### 860 Street lighting

- 861 Failed
- 862 Inadequate
- 863 Glare on wet road
- 864 Pedestrian crossing not adequately lighted

### 870 Raised islands and roundabouts

- 871 Traffic island(s) difficult to see
- 872 Traffic island(s) ineffective, badly located or designed
- 873 Cyclist squeeze point

## MISCELLANEOUS

### 900 Weather

- 901 Heavy rain
- 902 Dazzling sun
- 903 Strong wind
- 904 Fog or mist
- 905 Snow, sleet or hail

### 910 Animals

- 911 Household pet rushed out or playing
- 912 Farm animal straying
- 913 Farm animal attended, but inadequate warning or unexpected
- 914 Farm animal attended, but out of control
- 915 Wild animal

### 920 Entering or leaving land use

- 921 Roadside stall
- 922 Service station
- 923 Specialised liquor outlet
- 924 Take away foods
- 925 Shopping complex
- 926 Car parking building / area
- 927 Other commercial
- 928 Industrial site
- 929 Private house / farm
- 930 Other non-commercial
- 931 Mobile shop or vendor

### 999 Unknown